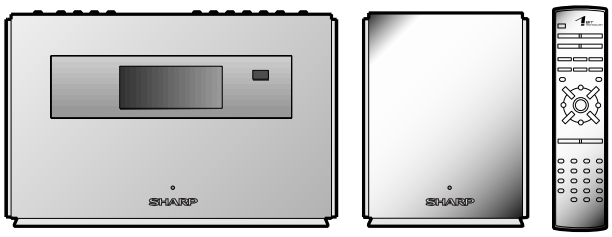
SHARP SERVICE MANUAL

No. S8154SDSG11H/



1-BIT DIGITAL AUDIO COMPONENT

MODEL SD-SG11H

SAVING ENERGY STAND-BY POWER CONSUMPTION 0.6W

COMPACT disc DIGITAL AUDIO

R·D·S EON

MDLP

MiniDisc

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified should be used.

The power of this unit is supplied from the amplifying unit via the system connection cable. It does not operate by itself.

The Service Manual is for the SD-SG11H, which is a minor-modification model of the SD-NX10H. This manual, therefore, describes only the changed points from the service manual. Please refer to the SD-NX10H service manual (S2109SDNX10H/) together with this manual.

SD-NX10H

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SHARP CORPORATION

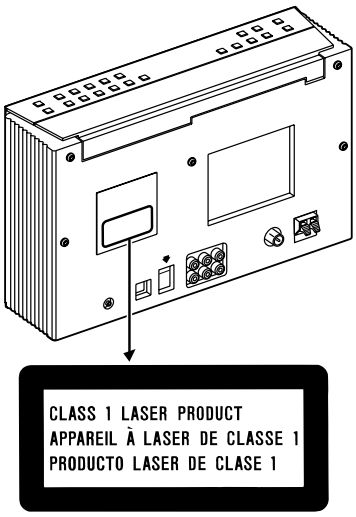
This document has been published to be used for after sales service only.
The contents are subject to change without notice.

SAFETY PRECAUTION FOR SERVICE MANUAL

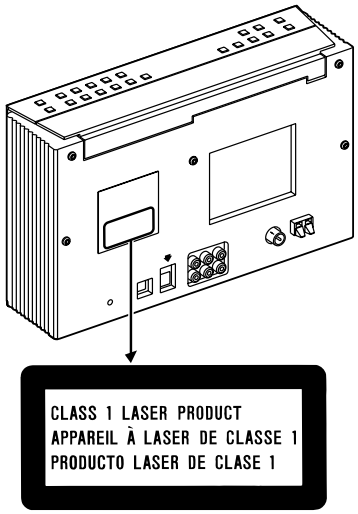
The AEL (ACCESSIBLE EMISSION LEVEL) of the laser power output is less than class 1 but the laser component is capable of emitting radiation exceeding the limit for class 1. Therefore it is important that the following precautions are observer during servicing to protect your eyes against exposure to the laser beam.

(1) When the unit case cover is removed and LOADING SW (SW1932) is turned on and then PLAY SW (SW1934 mechanism PWB) is turned on in a few second.
The laser will light for several second to detect a disk.
(2) The laser power output of the pickup unit and replacement service parts are all factory preset before shipment.
Do not attempt to readjust the laser pickup unit during replacement or servicing.
(3) Under no circumstances stare into the pickup lens at any time.
(4) If laser optical unit becomes faulty, replace the complete laser optical unit.
(5) CAUTION-USE of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.

(For U.K.)

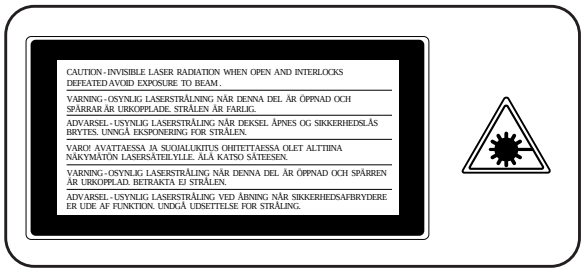


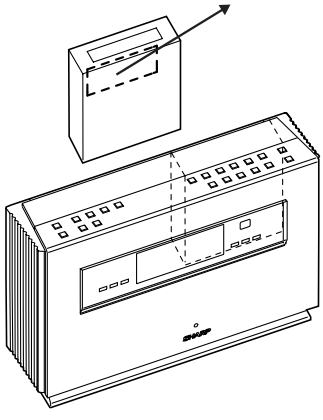
(Except for U.K.)



LASER KLASSE 1
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT
LASER TŘÍDY 1
LASER TRIEDY 1

Laser Diode Properties
- Material: GaAIAs
- Wavelength: 785 nm
- Pulse time:
  Read mode: 0.8 mW Continuous
  Write mode: max 10 mW 0.5S
  min cycle 1.5S
  Repetition


CAUTION - INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED AVOID EXPOSURE TO BEAM.
VARNING - OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRRAR ÄR URKOPPLADE. STRÅLEN ÄR FARLIG.
ADVARSEL - USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VARO! AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING - OSYNLIG LASERSTRÅLING NÅR DENNA DEL ÅR ÖPPNAD OCH SPÄRREN ÅR URKOPPLAD. BETRAKTA EJ STRÅLEN.
ADVARSEL - USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSETTELSE FOR STRÅLING.



VAROITUS! LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

VARNING - OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERAS. KAN ANVÄNDAREN UTSÄTTAS FÖR OSYNLIG LASERSTRÅLNING, SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.

VARO ! Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.
VARNING! Osynlig laserstralning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

Precaution to be taken when replacing and servicing the laser pickup.
The following precautions must be observed during servicing to protect your eyesvagainst exposure to the laser.
Warning of possible eye damage when repairing:
If the AC power plug is connected when the inner cover of the unit is removed, the laser will light up during focus access (about 1 second) (Fig. 3-1).
During this operation, the laser will leak from the opening between the magnetic head and cartridge holder (Fig. 3-2).
In order to protect your eyes, you must not look at the laser during repair.
Before repairing, be sure to disconnect the AC power plug.

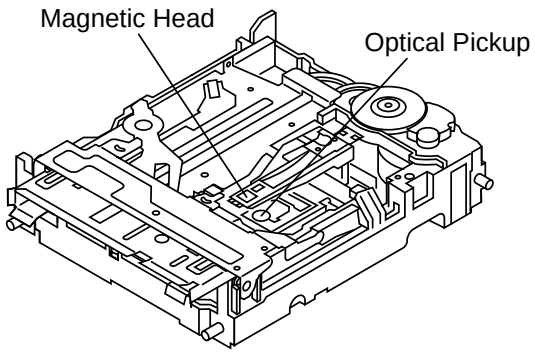


Figure 3-1

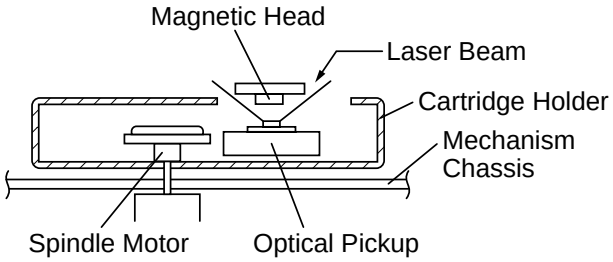


Figure 3-2

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

SPECIFICATIONS

■ General

Power source	AC 230 V, 50 Hz
Power consumption	Power on: 54 W Power stand-by: 0.6 W
Dimensions	**MD/CD/tuner unit** Width: 318 mm (12-9/16") Height: 210 mm (8-5/16") Depth: 93 mm (3-11/16")
	Amplifier unit Width: 160 mm (6-5/16") Height: 210 mm (8-5/16") Depth: 153 mm (6)
Weight	**MD/CD/tuner unit** 3.7 kg (8.2 lbs.)
	Amplifier unit 3.7 kg (8.2 lbs.)
Input/output terminals	**MD/CD/tuner unit** Auxiliary input: 500 mV/47 kohms Digital input (optical) System output (RCA) Line output: 500 mV/47 kohms Headphones: 16 - 50 ohms (recommended: 32 ohms) System control (SD-SG11H amplifier unit only)
	Amplifier unit System input (RCA) Speakers: 4 ohms System control (SD-SG11H MD/CD/tuner unit only)

■ Amplifier

Amplification system	64fs 1-bit switching (Remarks:fs = 44.1 kHz)
Rated output power	RMS: 50 W (25 W + 25 W) (DIN 45 324)
A/D noise shaping	7th-order ΔΣ (delta - sigma) modulation

■ CD player

Type	1-disc slot-in type compact disc player
Signal readout	Non-contact, 3-beam semiconductor laser pickup
D/A converter	1-bit D/A converter
Frequency response	20 - 20,000 Hz
Dynamic range	90 dB (1 kHz)

■ MiniDisc

Type	MiniDisc Recorder
Signal readout	Non-contact, 3-beam semiconductor laser pickup
Rotation speed	400 - 900 rpm CLV, Approx.
Error correction	ACIRC (Advanced Cross Interleave Reed-Solomon Code)
Quantization	20-bit linear (A/D converter)
Coding	ATRAC (Adaptive TRansformed Acoustic Coding), ATRAC 3
Sampling frequency	44.1 kHz
Recording method	Magnetic modulation overwrite method
Frequency response	20 - 20,000 Hz
D/A converter	1-bit D/A converter
Wow and flutter	Unmeasurable (less than 0.001% W. peak)
Signal/noise ratio	95 dB (1 kHz)
Dynamic range	90 dB (1 kHz)
Audio channel	Stereo: 2 channels (SP, LP2, LP4) Monaural: 1 channel (MONO)

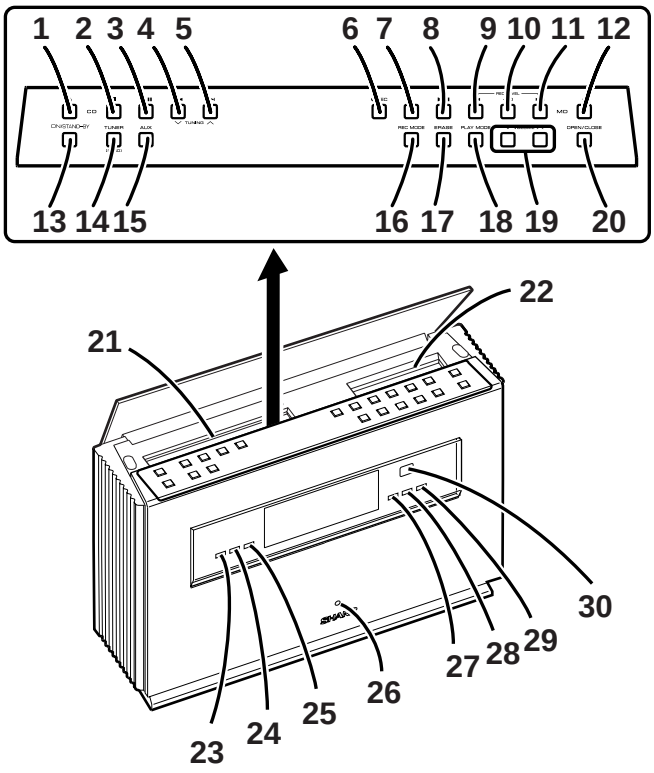
■ Tuner

Frequency range	FM: 87.5 - 108 MHz AM: 522 - 1,620 kHz

Specifications for this model are subject to change without prior notice.

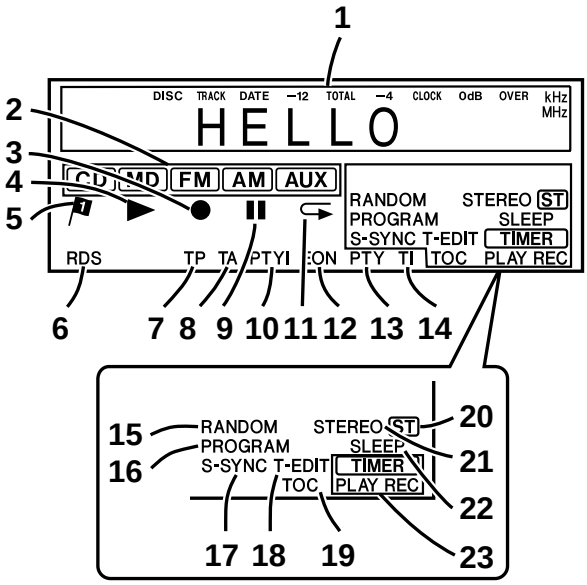
NAMES OF PARTS

■ MD/CD/tuner unit front panel



1. CD Eject Button
2. CD Stop Button
3. CD Play/Pause Button
4. CD Fast Reverse/Tuning Down Button
5. CD Fast Forward/Tuning Up Button
6. MD Record Button
7. MD Stop Button
8. MD Play/Pause Button
9. MD Recording Level/MD Fast Reverse Button
10. MD +10 Track Up Button
11. MD Recording Level/MD Fast Forward Button
12. MD Eject Button
13. On/Stand-by Button
14. Tuner (Band) Button
15. Auxiliary Button
16. MD Record Mode Button
17. Erase Button
18. CD/MD Play Mode Select Button
19. Volume Up and Down Buttons
20. CD/MD Cover Open/Close Button
21. CD Compartment
22. MD Compartment
23. Timer Indicator
24. Sleep Indicator
25. Monaural Recording Indicator
26. Power Indicator
27. Stereo Recording Indicator
28. 2 times Long Recording (stereo) Indicator
29. 4 times Long Recording (stereo) Indicator
30. Remote Sensor

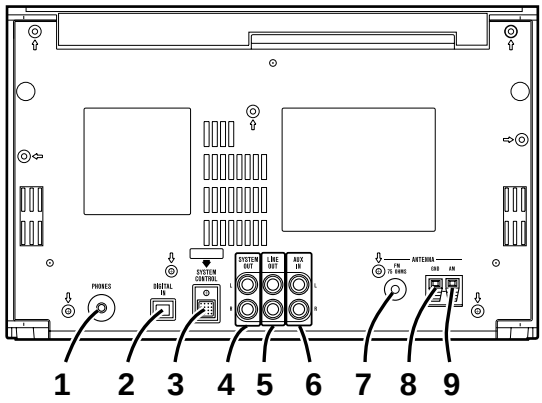
■ Multi-function LCD display



1. Level Meter/Character Information/Frequency Indicator
2. Function Indicator
3. Record Indicator
4. CD/MD Play Indicator
5. Top Position Indicator
6. RDS Indicator
7. Traffic Programme Indicator
8. Traffic Announcement Indicator
9. MD Record Pause Indicator
10. Dynamic PTY Indicator
11. CD/MD Repeat Indicator
12. EON Indicator
13. Programme Type Indicator
14. Traffic Information Indicator
15. Random Play Indicator
16. Programme Play Indicator
17. Sound Synchronised Recording Indicator
18. Track Edit Indicator
19. TOC Indicator
20. FM Stereo Indicator
21. FM Stereo Mode Indicator
22. Sleep Indicator
23. Timer Play/Recording Indicator

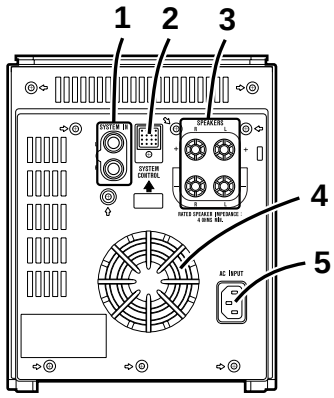
■ MD/CD/tuner unit rear panel

1. Headphone Socket
2. Digital Input Socket
3. System Control Socket
4. System Output Sockets
5. Line Output Sockets
6. Auxiliary Input Sockets
7. FM 75 Ohms Aerial Socket
8. Aerial Earth Terminal
9. AM Loop Aerial Terminal



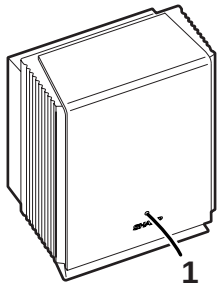
■ Amplifier unit rear panel

1. System Input Sockets
2. System Control Socket
3. Speaker Terminals
4. Cooling Fan
5. AC Input Socket



■ Amplifier unit front panel

1. Power Indicator

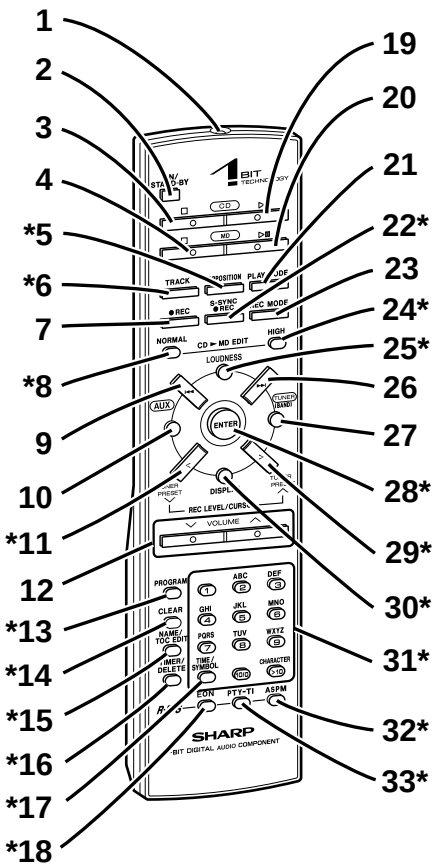


SD-SG11H

■ Remote control

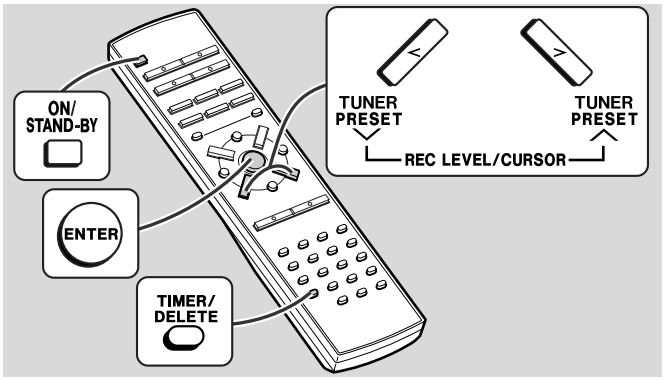
1. Remote Control Transmitter
2. On/Stand-by Button
3. CD Stop Button
4. MD Stop Button
5. Top Position Button
6. Track Edit Button
7. MD Record Button
8. CD/MD Edit Button (NORMAL)
9. CD/MD Fast Reverse, Tuning Down Button
10. Auxiliary Input Button
11. Recording Level/Cursor/Tuner Preset Button
12. Volume Up and Down Buttons
13. CD/MD Programme Button
14. Clear Button
15. Name/TOC-Edit Button
16. Timer/Delete Button
17. Time Button
18. RDS EON Button
19. CD Play/Pause Button
20. MD Play/Pause Button
21. CD/MD Play Mode Select Button
22. Sound Synchronise Record Button
23. MD Record Mode Button
24. CD/MD Edit Button (HIGH)
25. Loudness Button
26. CD/MD Fast Forward, Tuning Up Button
27. Tuner (Band) Button
28. Enter Button
29. Recording Level/Cursor/Tuner Preset Button
30. Display Button
31. Character Input/CD, MD, Tuner Direct Buttons
32. RDS ASPM (Auto Station Programme Memory) Button
33. RDS Programme Type/Traffic Information Search Button

Buttons with "✱" mark in the illustration can be operated on the remote control only. Other buttons can be operated both the main unit and the remote control.



OPERATION MANUAL

Setting the Clock



In this example, the clock is set for 9:30 15. 06 '01 .

1 **Press the ON/STAND-BY button to turn the power on.**

2 **Press the TIMER/DELETE button.**

3 **Within 10 seconds, press the REC LEVEL/CURSOR < or > button to select the "TIME ADJUST".**

TIME ADJUST

4 **Within 10 seconds, press the ENTER button.**

5 **Press the REC LEVEL/CURSOR < or > button to adjust the year, and then press the ENTER button.**

01.01'01

6 **Press the REC LEVEL/CURSOR < or > button to adjust the month, and then press the ENTER button.**

01.06'01

7 **Press the REC LEVEL/CURSOR < or > button to adjust the date, and then press the ENTER button.**

15.06'01

8 **Press the REC LEVEL/CURSOR < or > button to adjust the hour, and then press the ENTER button.**

9:00

9 **Press the REC LEVEL/CURSOR < or > button to adjust the minutes, and then press the ENTER button.**

9:30

The hour will not advance even if minutes advance from "59" to "00".

The clock starts from "0" second. (Seconds are not displayed.) The time display will disappear after a few seconds.

To confirm the time display:
[When the unit is in the stand-by mode]
Press the DISPLAY button on the remote control.
The time display will appear for about 5 seconds.

[When the power is on]
Press the TIMER/DELETE button.
Within 10 seconds, press the REC LEVEL/CURSOR < or > button.
The time display will appear for about 10 seconds.

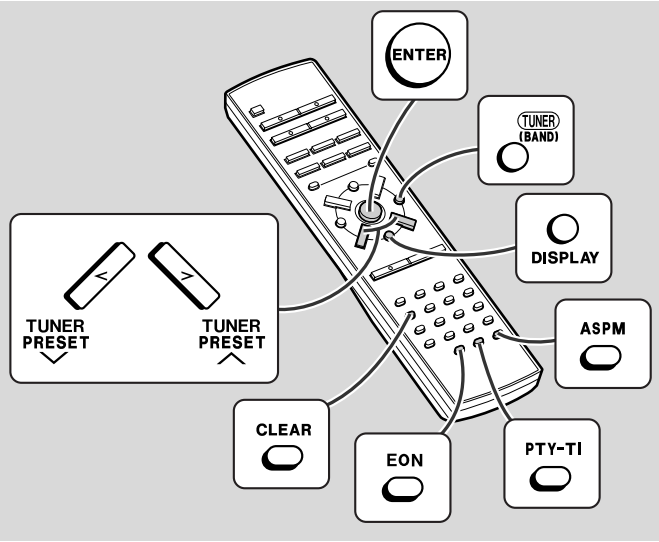
Note:
The clock setting will be cleared when the unit is unplugged or the power failure occurs.

To reset the clock:
Perform "Setting the Clock" from the beginning.

Using the Radio Data System (RDS)

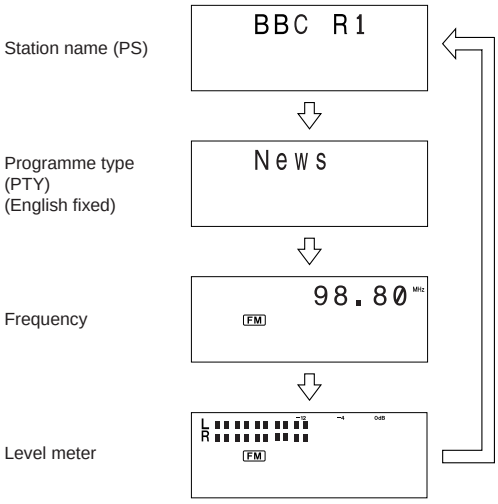
RDS is a broadcasting service which a growing number of FM stations provide. These FM stations send additional signals along with their regular programme signals. They send their station names, and information about the type of programme such as sports or music, etc.
When tuned to an RDS station, "RDS" and the station name will be displayed.
"TP" (Traffic Programme) will appear on the display when the received broadcast carries traffic information, and "TA" (Traffic Announcement) will appear whilst a traffic information is on air.
"EON" will appear whilst the EON (Enhanced Other Networks information) data is broadcast.
"PTYI" (Dynamic PTY Indicator) will appear whilst the Dynamic PTY station is received.

You can control the RDS by using the remote control only.

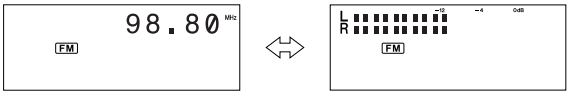


■ Information provided by RDS

Each time the DISPLAY button is pressed, the display will switch as follows:



When you are tuning in to a station other than an RDS station or to an RDS station which sends weak signal, the display will change in the following order:



Frequency Level meter

Descriptions of the PTY (Programme Type) codes, TP (Traffic Programme) and TA (Traffic Announcement).
You can search for and receive the following PTY, TP and TA signals.

News	Short accounts of facts, events and publicly expressed views, reportage and actuality.
Affairs	Topical programme expanding or enlarging upon the news, generally in different presentation style or concept, including debate, or analysis.
Info	Programmes whose purpose is to impart advice in the widest sense.
Sport	Programme concerned with any aspect of sport.
Educate	Programme intended primarily to educate, of which the formal element is fundamental.
Drama	All radio plays and serials.
Culture	Programmes concerned with any aspect of national or regional culture, including language, theatre, etc.
Science	Programmes about the natural sciences and technology.
Varied	Used for mainly speech-based programmes usually of light-entertainment nature, not covered by other categories. Examples include: quizzes, panel games, personality interviews.
Pop M	Commercial music, which would generally be considered to be of current popular appeal, often featuring in current or recent record sales charts.
Rock M	Contemporary modern music, usually written and performed by young musicians.
Easy M	Current contemporary music considered to be "easy-listening", as opposed to Pop, Rock or Classical, or one of the specialised music styles, Jazz, Folk or Country. Music in this category is often but not always, vocal, and usually of short duration.
Light M	Classical music for general, rather than specialist appreciation. Examples of music in this category are instrumental music, and vocal or choral works.
Classics	Performances of major orchestral works, symphonies, chamber music, etc., and including Grand Opera.
Other M	Musical styles not fitting into any of the other categories. Particularly used for specialist music of which Rhythm & Blues and Reggae are examples.
Weather	Weather reports and forecasts and meteorological information.
Finance	Stock Market reports, commerce, trading, etc.
Children	For programmes targeted at a young audience, primarily for entertainment and interest, rather than where the objective is to educate.
Social	Programmes about people and things that influence them individually or in groups. Includes: sociology, history, geography, psychology and society.
Religion	Any aspect of beliefs and faiths, involving a God or Gods, the nature of existence and ethics.
Phone In	Involving members of the public expressing their views either by phone or at a public forum.
Travel	Features and programmes concerned with travel to near and far destinations, package tours and travel ideas and opportunities. Not for use for announcements about problems, delays, or roadworks affecting immediate travel where TP/TA should be used.
Leisure	Programmes concerned with recreational activities in which the listener might participate. Examples include, Gardening, Fishing, Antique collecting, Cooking, Food & Wine, etc.
Jazz	Polyphonic, syncopated music characterised by improvisation.
Country	Songs which originate from, or continue the musical tradition of the American Southern States. Characterised by a straightforward melody and narrative story line.
Nation M	Current Popular Music of the Nation or Region in that country's language, as opposed to International 'Pop' which is usually US or UK inspired and in English.
Oldies	Music from the so-called "golden age" of popular music.
Folk M	Music which has its roots in the musical culture of a particular nation, usually played on acoustic instruments. The narrative or story may be based on historical events or people.
Document	Programme concerned with factual matters, presented in an investigative style.
TEST	Broadcast when testing emergency broadcast equipment or receivers.
Alarm !	Emergency announcement made under exceptional circumstances to give warning of events causing danger of a general nature.
None	No programme type (receive only).
TP	Broadcasts which carry traffic announcements.
TA	Traffic announcements are being broadcast.

Note:
When you select a programme in the EON stand-by mode, the unit will display "TI" instead of "TA".

Error Messages

When an error message is displayed, proceed as follows:

Error messages	Meaning	Remedy
BLANK MD	Nothing is recorded. (Neither music nor disc name is recorded.)	Replace it with another disc.
Can't COPY	You tried to record from a copy prohibited CD.	Replace the CD.
Can't EDIT	A track cannot be edited.	Change the stop position of the track and then try editing it.
Can't READ*	The disc is damaged.	Replace it with another disc.
(*: Number or symbol)	TOC information cannot be read.	Erase the disc and try recording again.
	MiniDisc not specified.	
Can't REC	Recording cannot be performed correctly due to vibration or shock in the unit.	Re-record or replace the MiniDisc.
Can't T REC	Timer recording is impossible or there is no available space on the MD.	Replace it with another recordable disc.
	The disc is out of recording space.	
Can't WRITE	The TOC information could not be created properly due to a mechanical shock or to scratches on the disc.	Set this unit to the stand-by mode and try to write the TOC again. (Remove any source of shock or vibration whilst writing.)
CD NO DISC	A CD has not been loaded.	Load a CD.
	The CD data cannot be read.	Reload the CD.
DISC FULL	The disc is out of recording space.	Replace the disc with another recordable disc.
EDIT OVER	You chose 21 or more tracks for track editing.	Decrease the number of tracks.
Er - MD **	A MiniDisc is not working properly.	Press the MD ⏏ button.
(: Number or symbol)**		Set this unit to the stand-by mode and turn the power on again.

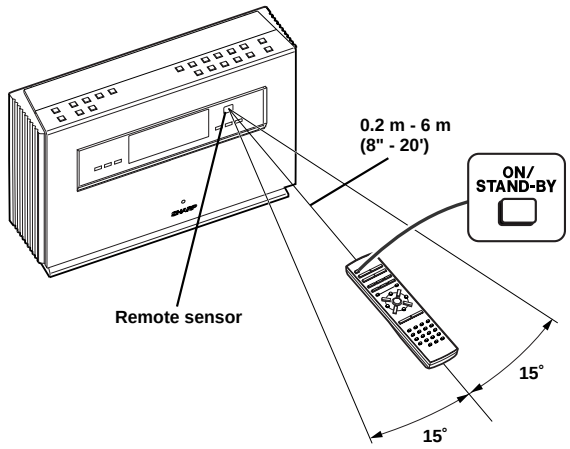
Error messages	Meaning	Remedy
MD NO DISC	A MiniDisc has not been loaded.	Load a MiniDisc.
	The MiniDisc data cannot be read.	Reload the MiniDisc.
NAME FULL	The number of characters for the disc name or track name exceeds 40.	Shorten the disc or track name.
NOT AUDIO	The data recorded on this disc is not audio data.	Replace the disc.
PLAYBACK MD	You tried to record on a playback-only disc.	Replace it with another recordable disc.
PROTECTED	The disc is write protected.	Move the write protection tab back to its original position.
TEMP OVER	The temperature is too high.	Set this unit to the stand-by mode and wait for a whilst.
TOC FORM **	TOC information recorded on the MD does not match the MiniDisc specifications or it cannot be read.	Replace it with another disc.
(: Number or symbol)**		Erase the disc and try recording again.
TOC FULL	There is no space left for recording track numbers.	Replace it with another recordable disc.
TOC FULL 1	There is no space left for recording character information.	Replace it with another recordable disc.
		Erase the needless characters.
? MD DISC	The data contains an error.	Press the MD ⏏ button.
	MiniDisc not specified.	Replace it with another disc.

Remote Control

■ Test of the remote control

Check the remote control after checking all connections have been made correctly. Face the remote control directly to the remote sensor on the unit.

The remote control can be used within the range shown below:
Press the ON/STAND-BY button. Does the power turn on? Now, you can enjoy the music.



Troubleshooting Chart

Many potential "problems" can be resolved by the owner without calling a service technician.

■ General

Symptom	Possible cause
"TIME ADJUST" appears when the clock time is checked.	Did a power failure occur? Reset the clock.
When a button is pressed, the unit does not respond.	Set this unit to the power stand-by mode and then turn it back on.
No sound is heard.	Is the volume level set to "0"? Are the headphones connected? Are the speaker wires disconnected?
The picture on the TV screen is distorted.	When a radio or TV which uses an indoor aerial is placed near the unit, the picture on the TV screen may be distorted or the radio may not function properly. It is recommended that you use an external aerial.
Cannot adjust the volume.	Is the sound connection lead connected to the LINE OUT sockets on the MD/CD/tuner unit? Set the unit to the stand-by mode and connect the lead to the SYSTEM OUT sockets.

■ CD player

Symptom	Possible cause
Even though a disc has been loaded, "CD NO DISC" or "Can't READ" is displayed.	The disc is very dirty. Is the unit located near excessive vibrations? Has condensation formed inside the unit?
Playback does not start.	The disc is loaded up-side down.
Playback stops in the middle or is not performed properly.	The disc does not satisfy the standards. The disc is distorted or scratched.
Playback sounds are skipped, or stopped in the middle of a track.	Is the unit located near excessive vibrations? The disc is very dirty. Has condensation formed inside the unit?

■ If trouble occurs (reset)

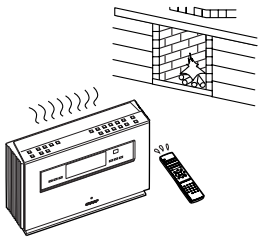
When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or if it is operated incorrectly, it may malfunction.

If such a problem occurs, do the following:
Unplug the power lead from the AC socket. Then, plug it in again and retry the operation.

Caution:
This operation will erase all data stored in memory including clock, timer settings, tuner preset, and CD or MiniDisc programme.

■ Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet (CD pickup, MD pickup, etc.) or on the transmitter on the remote control. Condensation can cause the unit to malfunction. If this happens, leave the power on with no disc in the unit until normal playback is possible (about 1 hour). Wipe off any condensation on the transmitter with a soft cloth before operating the unit.



■ MiniDisc

Symptom	Possible cause
A recording cannot be made.	Is the MiniDisc protected against accidental erasure? Did you try to make recording on a playback-only MiniDisc? Can you see the "DISC FULL" or "TOC FULL" message in the display?
Even though a disc has been loaded, "MD NO DISC" or "Can't READ" is displayed.	The disc is very dirty. Is the unit located near excessive vibrations?
Playback sounds are skipped.	Has condensation formed inside the unit?

■ Tuner

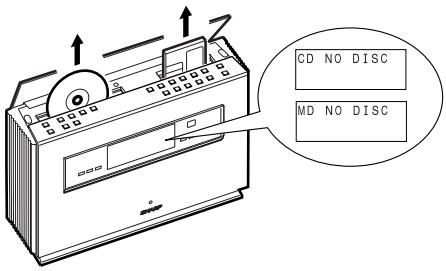
Symptom	Possible cause
Radio makes unusual noise consecutively.	The stereo system is placed near the TV or computer. FM/AM loop aerial is not placed properly. Move the AC power lead away from the aerial if located near.
The preset channel cannot be recalled.	Did a power failure occur? Preset the channel again.

■ Remote control

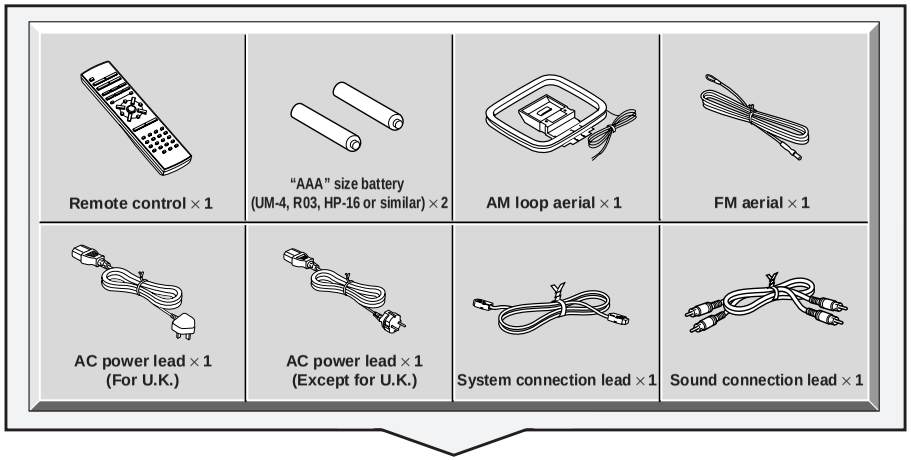
Symptom	Possible cause
The remote control does not operate.	Is the AC power lead of the stereo system plugged in? The battery polarity is not correct. The batteries are dead. Incorrect distance or angle. Does the remote control sensor receive strong light?

■ Before transporting the unit

Remove the CD and MiniDisc from the unit. Your unit checks whether there are any discs inside. "NO DISC" appears if no disc is inside. Then, set the unit to the power stand-by mode. Carrying the unit with discs left inside can damage it.

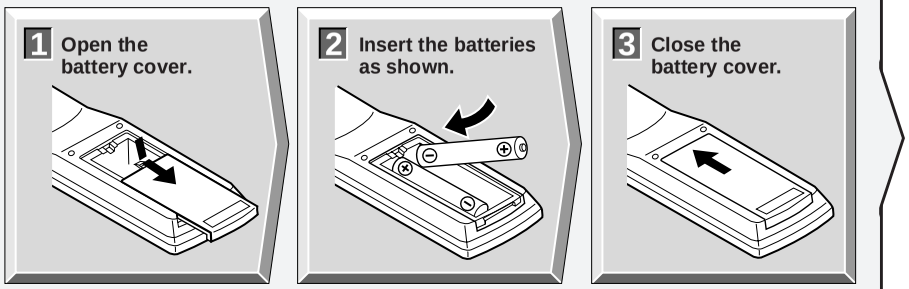


1 Accessories

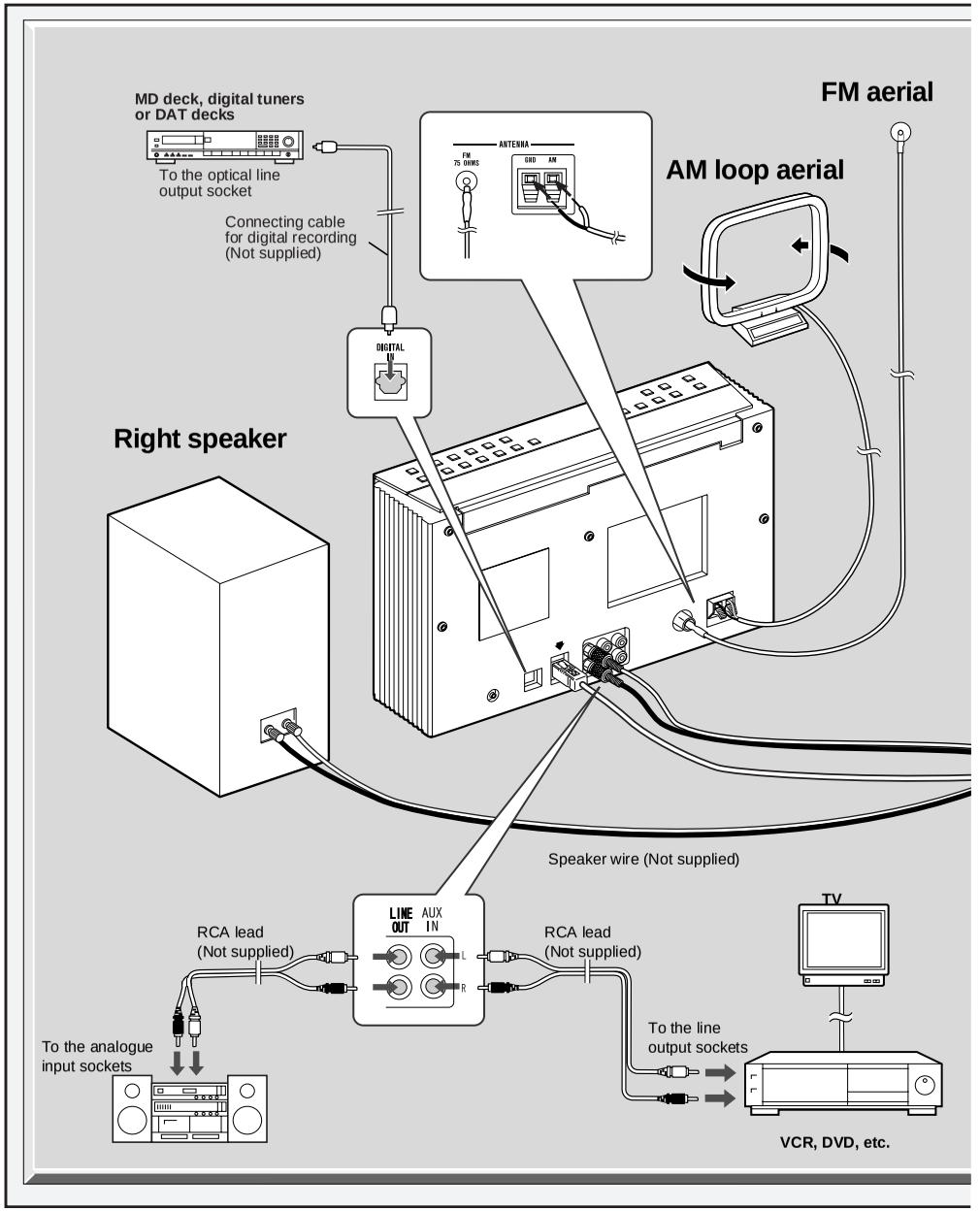

Remote control × 1
"AAA" size battery
(UM-4, R03, HP-16 or similar) × 2
AM loop aerial × 1
FM aerial × 1
AC power lead × 1
(For U.K.)
AC power lead × 1
(Except for U.K.)
System connection lead × 1
Sound connection lead × 1

2 Battery installation of remote control

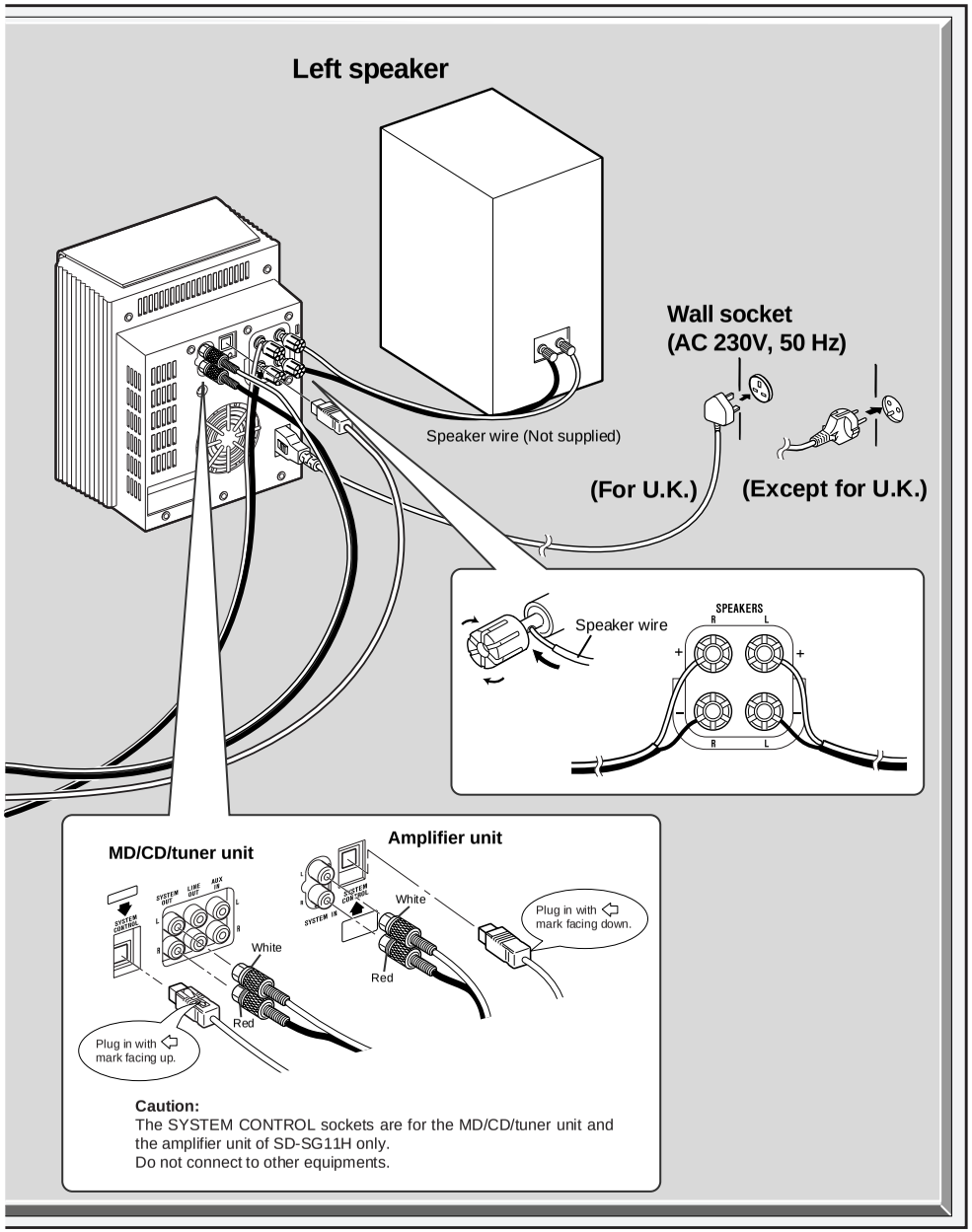
Use 2"AAA" size batteries (UM-4, R03, HP-16 or similar).



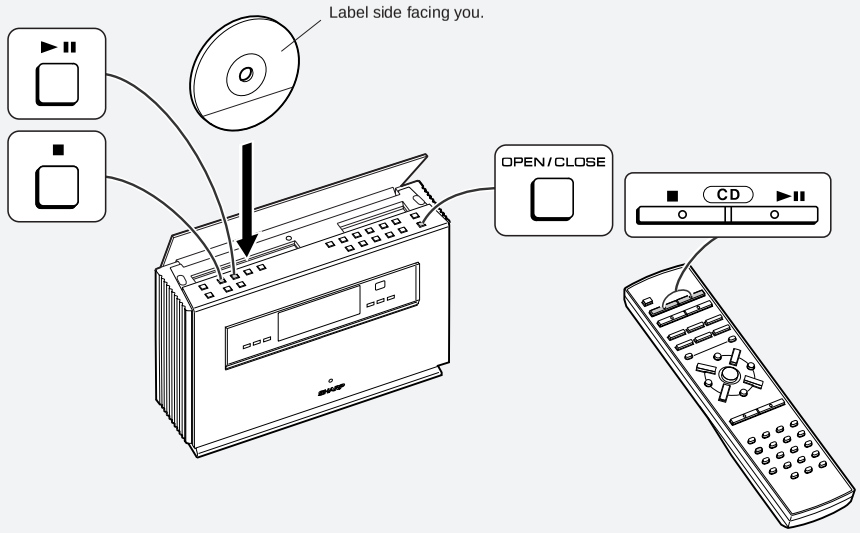
3 System Connections



4 Turn on your System



Listening to a CD

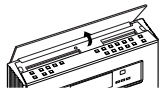


1 ■

Press the CD ■ button.

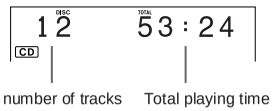
2 OPEN/CLOSE

Press the OPEN/CLOSE button to open the CD/MD cover.



3

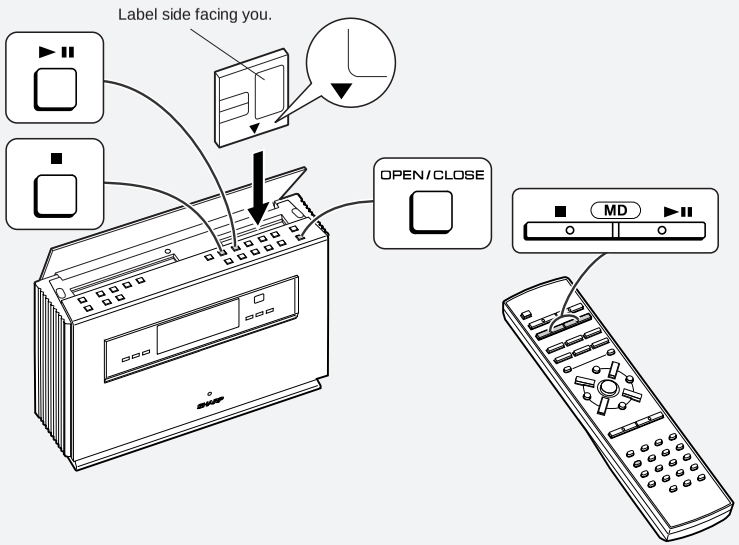
Load a CD into the CD compartment, label side facing you.



4 ►II

Press the CD ►II button to start playback.

Listening to a MiniDisc

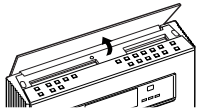


1 ■

Press the MD ■ button.

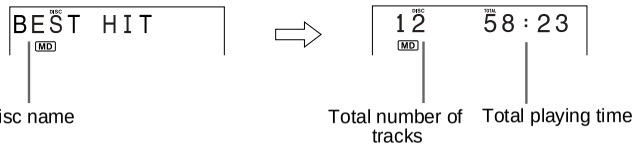
2 OPEN / CLOSE

Press the OPEN/CLOSE button to open the CD/MD cover.



3

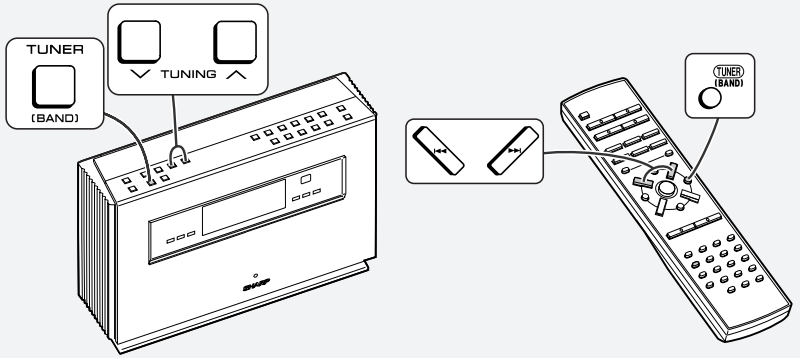
Load a MiniDisc into the MD compartment, label side facing you.



4 ►II

Press the MD ►II button to start playback.

Listening to the Radio



1 TUNER (BAND)

Press the TUNER (BAND) button repeatedly to select the desired frequency band (FM STEREO, FM or AM).

2 TUNING

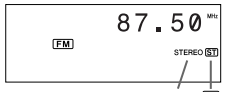
Press the TUNING (∨ or ∧) button to tune in to the desired station.

- When the TUNING (∨ or ∧) button is pressed for more than 0.5 seconds, scanning will start automatically and the tuner will stop at the first receivable broadcast station.

3 TUNER (BAND)

To receive an FM stereo transmission, press the TUNER (BAND) button. The "STEREO" indicator lights up.

- "ST" will appear when an FM broadcast is in stereo.



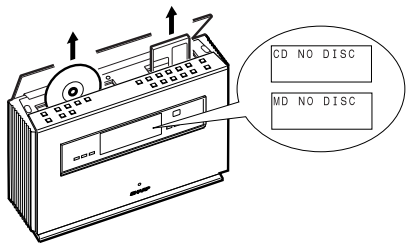
■ If trouble occurs (reset)

When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or if it is operated incorrectly, it may malfunction.

If such a problem occurs, do the following:
Unplug the power lead from the AC socket. Then, plug it in again and retry the operation.

■ Before transporting the unit

Remove the CD and MD from the unit. Your unit checks whether there are any discs inside. "NO DISC" appears if no disc is inside. Then, set the unit to the power stand-by mode. Carrying the unit with discs left inside can damage it.



DISASSEMBLY

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

1. Take compact disc and minidisc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
   If the screw of the wrong length is applied on the MD mechanism unit (screw for mounting parts to the MD mechanism chassis), it may contact the optical pickup and cause the unit to malfunction.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

MD/CD/TUNER UNIT

STEP	REMOVAL	PROCEDURE	FIGURE
1	Leg Cabinet	1. Screw ..... (A1) x5	13-1
2	Rear Panel	1. Screw ..... (B1) x9 2. Screw ..... (B2) x1	13-1
3	MD/CD Lid Cabinet/ Loading Gear Ass'y * (Note 1)	1. Open it in the direction of the arrow. 2. Lid Cushion Cover ... (C1) x2 3. Screw Cover Sheet .. (C2) x1 4. Screw ..... (C3) x5 5. Rear Support Bracket ..... (C4) x1 6. Socket ..... (C5) x3	13-2
4	Front Cabinet	1. Screw ..... (D1) x6 2. Socket ..... (D2) x2 3. Tip ..... (D3) x1	13-2 13-3
5	Main PWB	1. Screw ..... (E1) x6 2. Socket ..... (E2) x7 3. Flat Cable ..... (E3) x3	13-3
6	MD/CD Block	1. Screw ..... (F1) x5 2. Socket ..... (F2) x2	14-1 14-2
7	Tuner Unit	1. Screw ..... (G1) x2	14-2
8	Jack PWB	1. Screw ..... (H1) x6	14-2
9	MD Sensor PWB	1. Screw ..... (J1) x1	14-3
10	OPEN/CLOSE Switch PWB	1. Screw ..... (K1) x1	14-3
11	LED A/B PWB	1. Hook ..... (L1) x2 2. Screw ..... (L2) x4	14-4
12	Front Decoration Panel	1. Screw ..... (M1) x8 2. Earth Plate ..... (M2) x1	14-4
13	Top Cabinet	1. Screw ..... (N1) x3	14-5
14	MD/CD Switch PWB	1. Screw ..... (P1) x10	14-5
15	Socket PWB	1. Screw ..... (Q1) x2	14-6
16	CD Mechanism Ass'y	1. Screw ..... (R1) x4	14-6
17	MD Mechanism Unit	1. Screw ..... (S1) x4	14-6
18	MD Mechanism/ MD Main PWB * (Note 2)	1. Screw ..... (T1) x8 2. Flat Cable ..... (T2) x3 3. Flexible PWB ..... (T3) x1 4. Socket ..... (T4) x2	15-1

*** (Note 1)**

Screws are covered. Remove the cushion covers first with a sharp-ended stick and then screws.

Be careful not to damage them when removing. They will be reused.

*** (Note 2)**

After pulling out the optical pickup connector, wrap the tip of it with conductive aluminium foil or the like to protect the optical pickup from the static electricity.

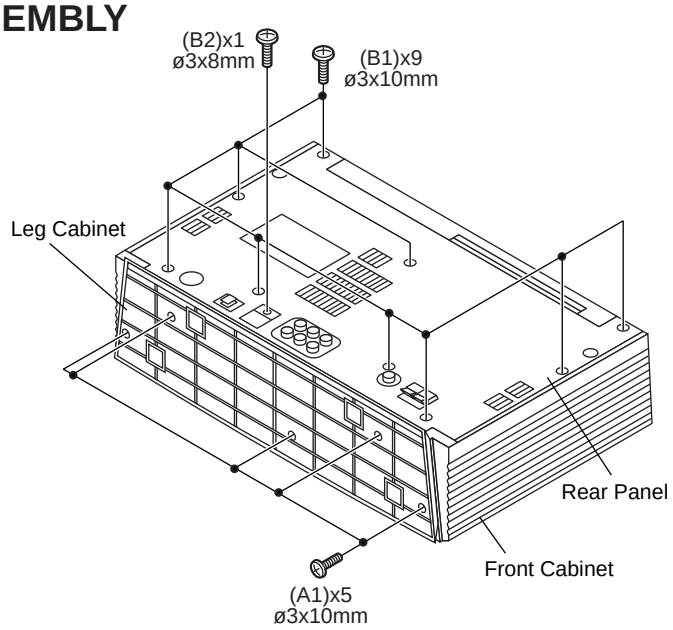


Figure 13-1

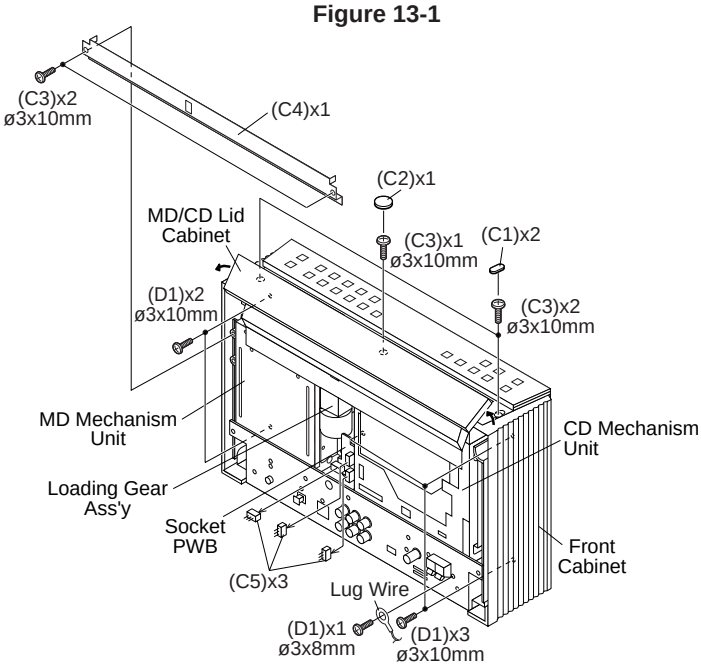


Figure 13-2

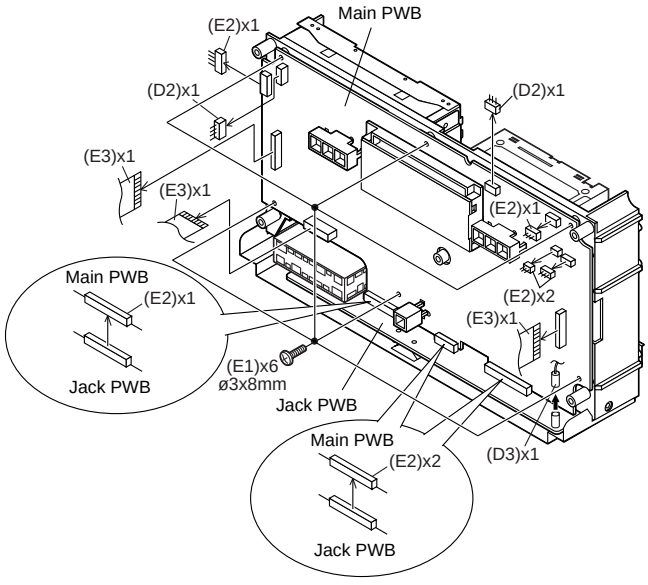


Figure 13-3

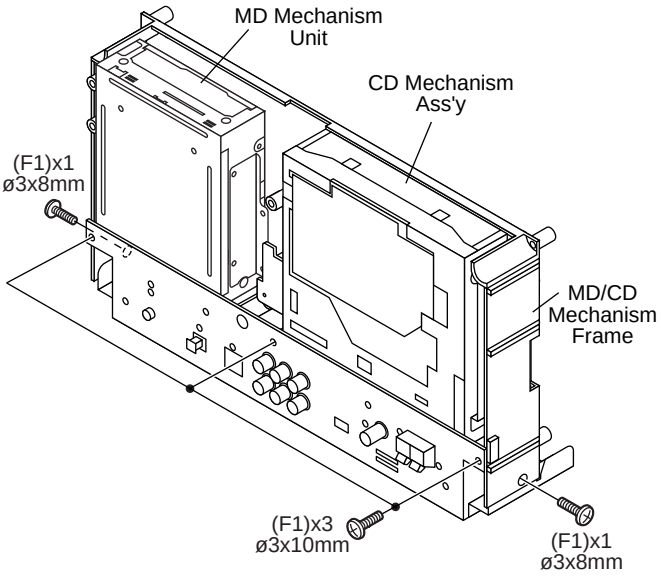


Figure 14-1

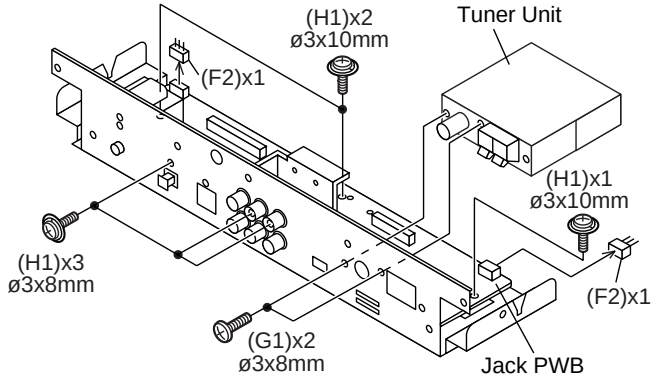


Figure 14-2

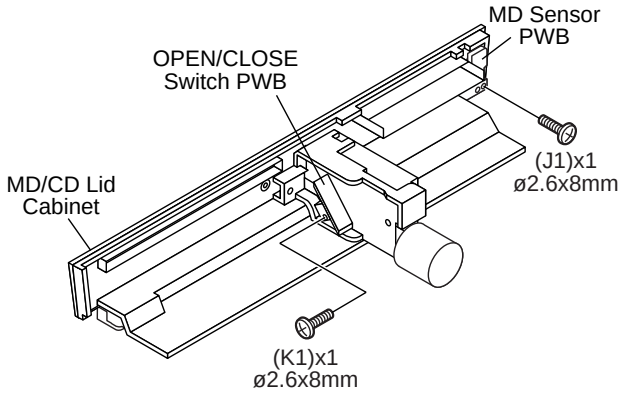


Figure 14-3

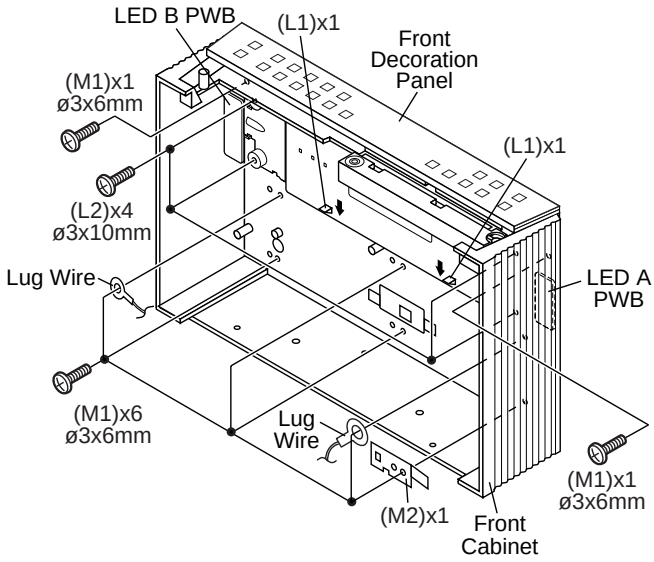


Figure 14-4

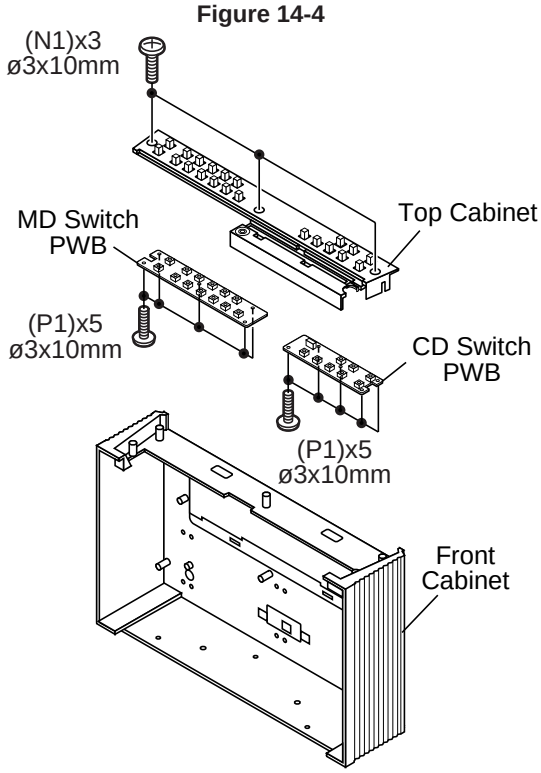


Figure 14-5

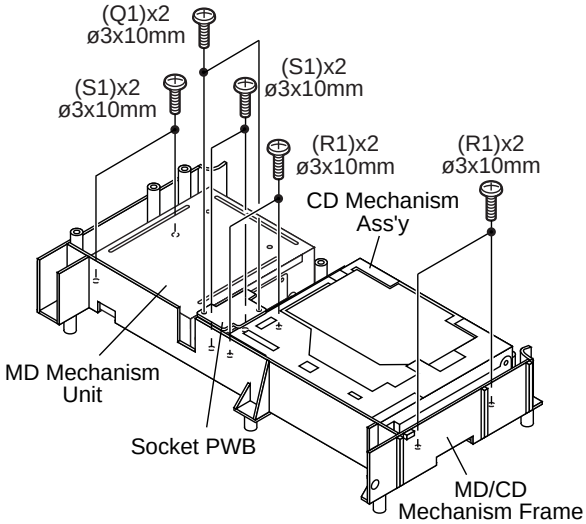


Figure 14-6

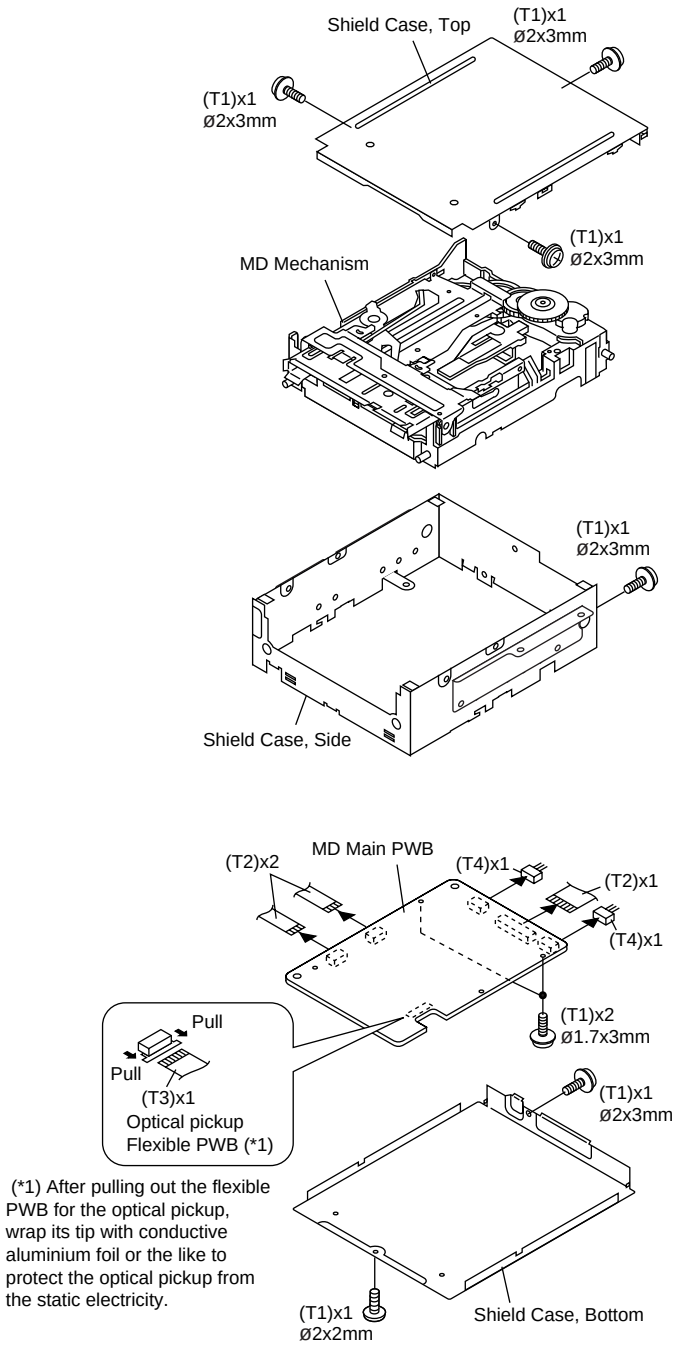


Figure 15-1

Special driver

(Amplifier unit: aluminium decorative plate)
To prohibit users' disassembling the unit, special screws are used to fix the decorative plate. A special driver is required.

(Torque head: T8 type)

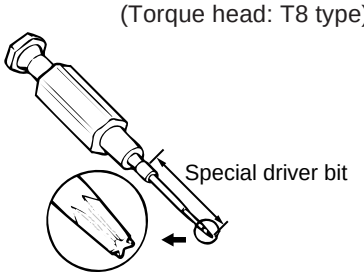


Figure 15-2

AMPLIFIER UNIT

STEP	REMOVAL	PROCEDURE	FIGURE
1	Leg Cabinet	1. Screw ..... (A1) x5	15-3
2	Rear Cabinet	1. Screw ..... (B1) x12	15-3
3	Front Cabinet	1. Screw ..... (C1) x6	15-4
4	Rear Panel	1. Screw ..... (D1) x6 2. Socket ..... (D2) x1 3. Solder ..... (D3) x4	16-1
5	Speaker Terminal PWB	1. Solder ..... (E1) x4	16-1
6	1-Bit Amp. Unit	1. Screw ..... (F1) x2 2. Socket ..... (F2) x4	16-1
7	Terminal PWB	1. Screw ..... (G1) x2 2. Socket ..... (G2) x2	16-2
8	Power/Amp. LED PWB	1. Screw ..... (H1) x2 2. Socket ..... (H2) x2	16-2
9	Shield Cover	1. Screw ..... (J1) x12 2. Heat Sink ..... (J2) x1 3. 1-Bit Amp. Bracket ... (J3) x1	16-3
10	1-Bit Amp. PWB	1. Screw ..... (K1) x4	16-4

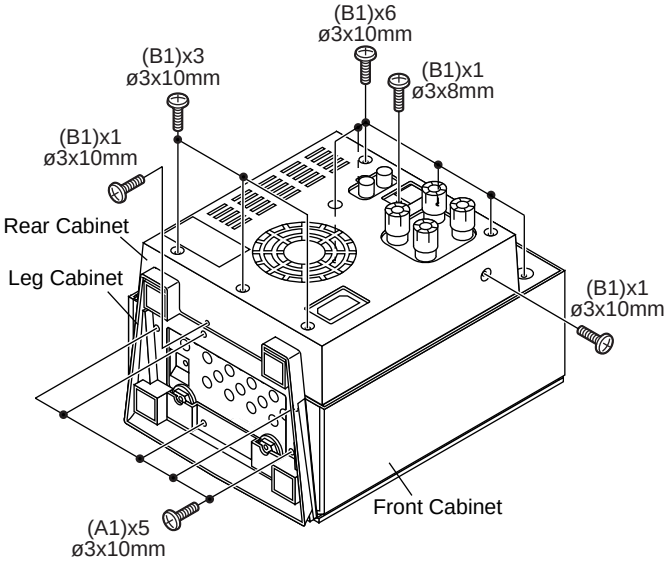


Figure 15-3

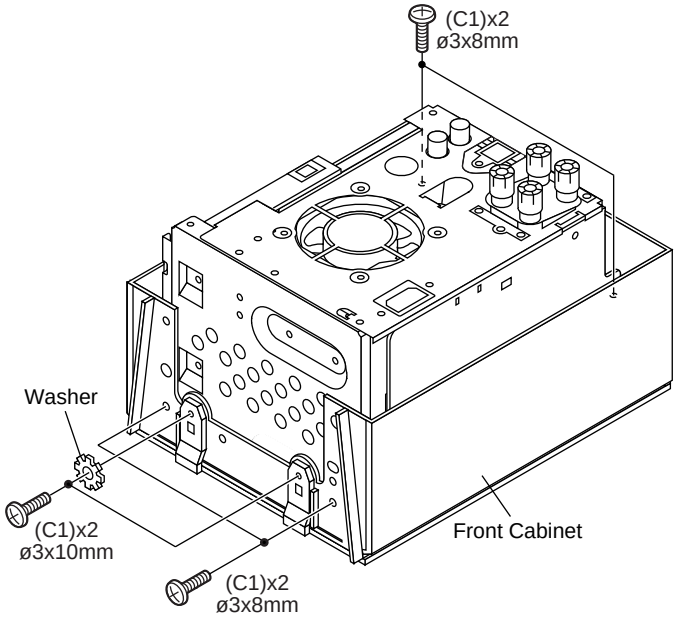


Figure 15-4

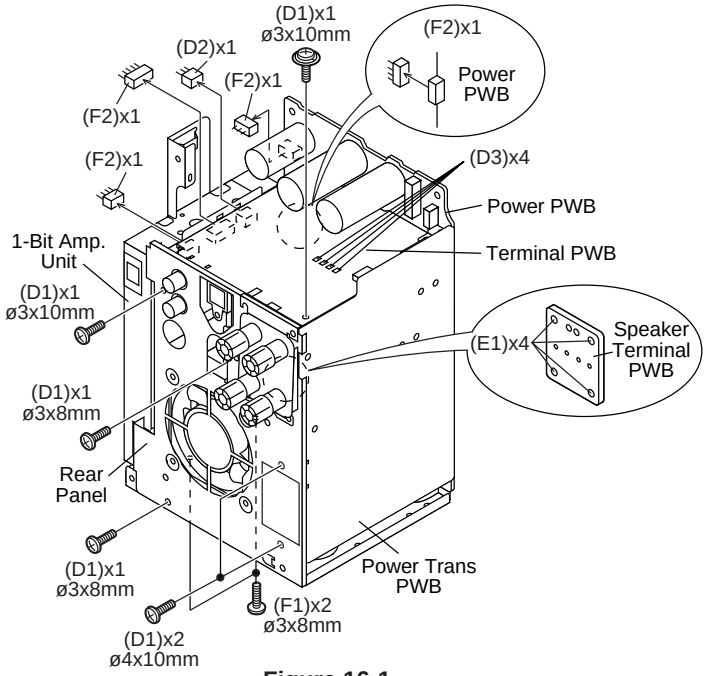


Figure 16-1

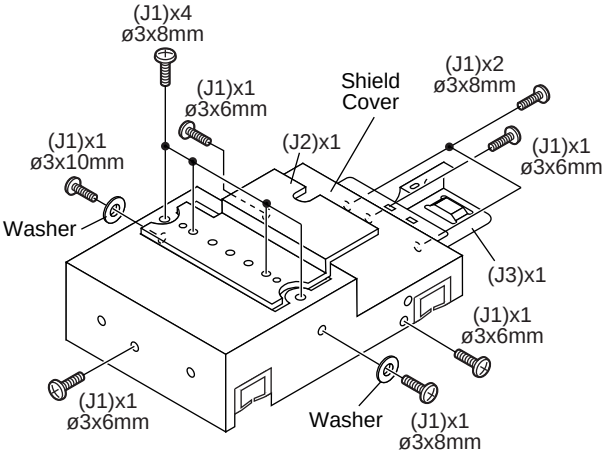


Figure 16-3

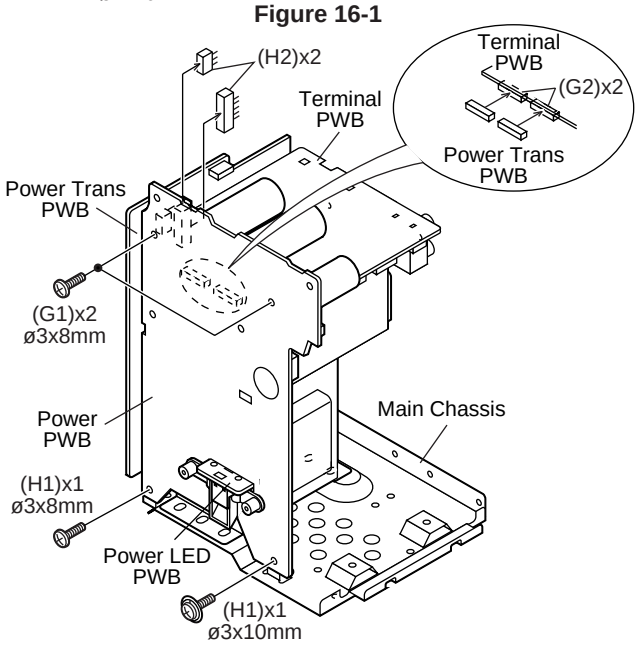


Figure 16-2

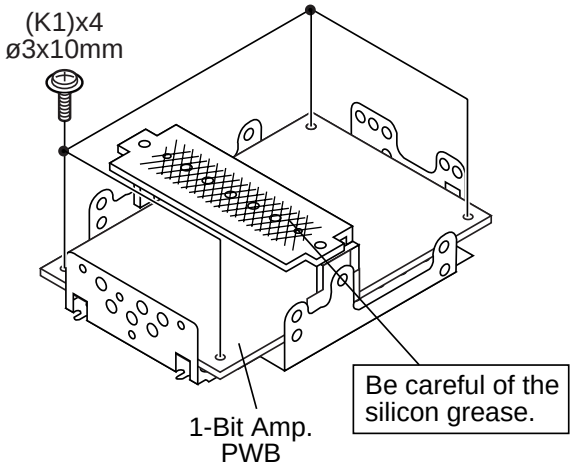


Figure 16-4

ADJUSTMENT

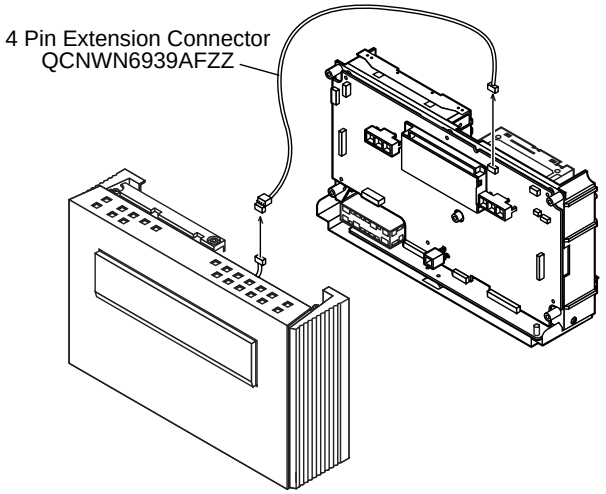


Figure 16-5

NOTES ON SCHEMATIC DIAGRAM

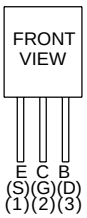
- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with "Fusible" is a fuse type.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.
  (CH), (TH), (RH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type

- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  1. In the tuner section,
     ( ) indicates AM/FM stereo
  2. In the CD section, the CD is stopped.
- Parts marked with " ⚠ " (⊏ ═ ═ ═ ⊐) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

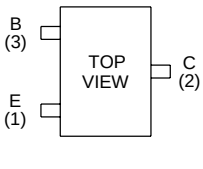
REF. NO	DESCRIPTION	POSITION
SW1930	WRITE PRO	ON—OFF
SW1931	DISC MEDIA	ON—OFF
SW1932	LOADING	ON—OFF
SW1933	RECORD	ON—OFF
SW1934	PLAY	ON—OFF
SW1936	LEAD IN	ON—OFF
SWD02	ON/STAND-BY	ON—OFF
SWD03	TUNER (BAND)	ON—OFF
SWD04	AUX (DEMO)	ON—OFF
SWD05	CD UP/TUNING UP	ON—OFF
SWD06	CD DOWN/TUNING DOWN	ON—OFF
SWD07	CD PLAY/PAUSE	ON—OFF
SWD08	CD STOP	ON—OFF
SWD09	CD EJECT	ON—OFF

REF. NO	DESCRIPTION	POSITION
SWD10	+10	ON—OFF
SWD11	VOLUME DOWN	ON—OFF
SWD12	VOLUME UP	ON—OFF
SWD13	DOOR OPEN/CLOSE	ON—OFF
SWD14	MD REC	ON—OFF
SWD15	MD STOP	ON—OFF
SWD16	MD PLAY/PAUSE	ON—OFF
SWD17	MD DOWN	ON—OFF
SWD18	MD UP	ON—OFF
SWD19	MD EJECT	ON—OFF
SWD20	PLAY MODE	ON—OFF
SWD21	ERASE	ON—OFF
SWD23	OPEN/CLOSE	ON—OFF
SWD24	REC MODE	ON—OFF

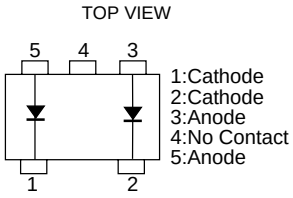
TYPES OF TRANSISTOR AND LED



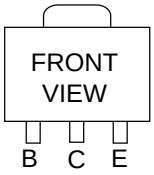
2SC2878 B
2SK1725
KTA1023 Y
KTA1266 GR
KTA1271 Y
KTA1273 Y
KTC3199 GR
KTC3203 Y
KRA107 M
KRA106 M
KRC104 M
KRC107 M



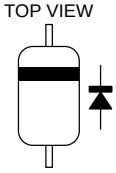
2SA1162 G
2SD601 AR
KRA225 S
KRC102 S
UN2113
UN2213
UN2214
UN221N



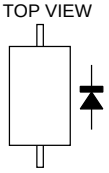
SBE803



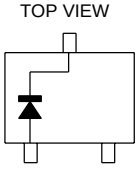
2SA1314 C



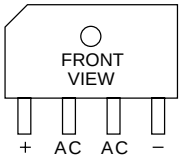
DS1SS133
2A02M



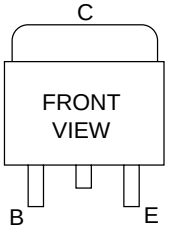
DS1N404S
1SS355



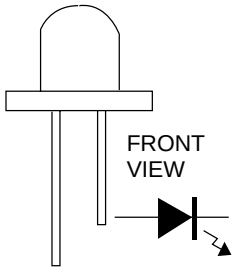
SB00703Q



TS6B04GM



2SB1205



2647RT49
4204UYT9
4204UGT9
DB3804X
LNG901CF

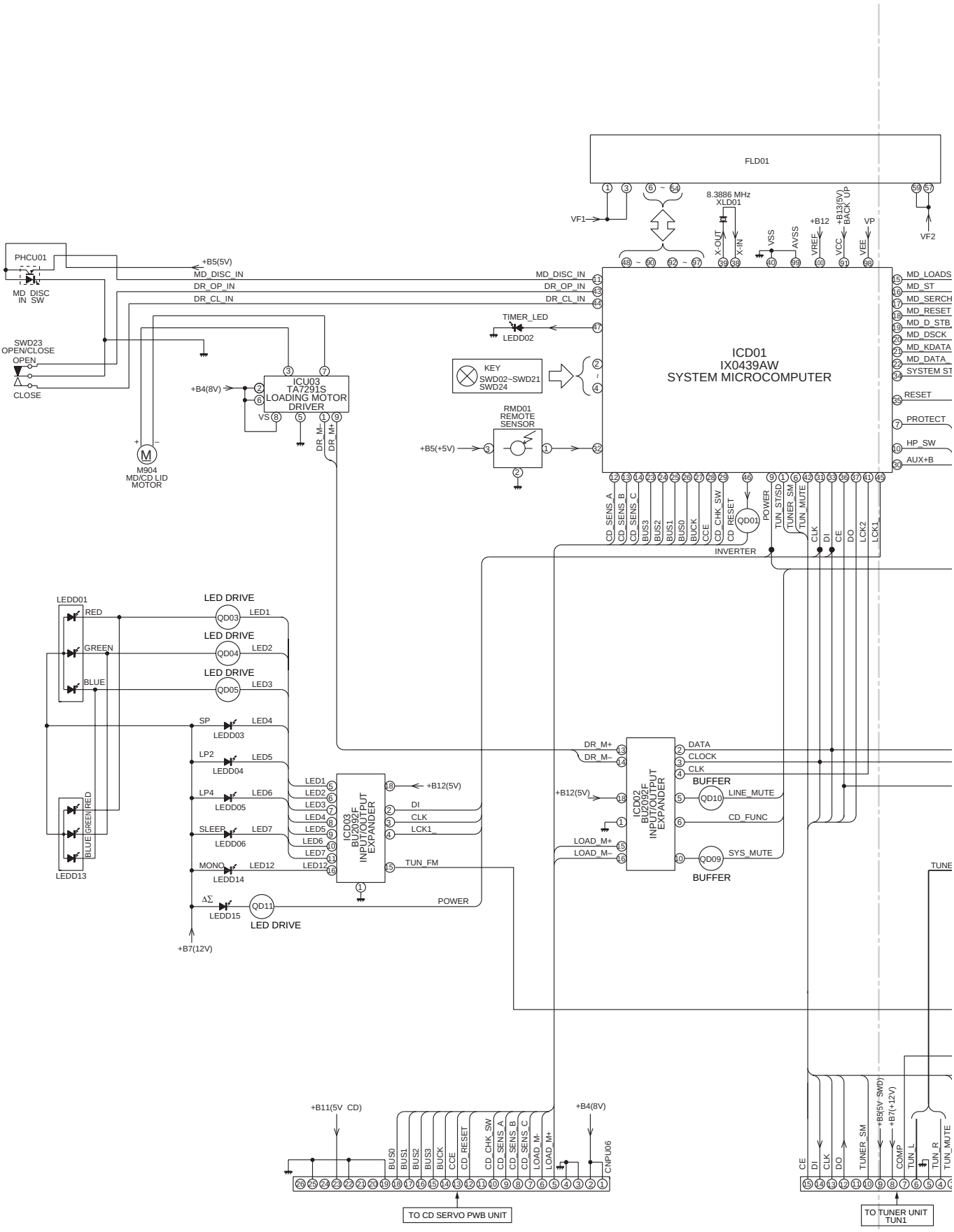


Figure 18 BLOCK DIAGRAM (1/7)

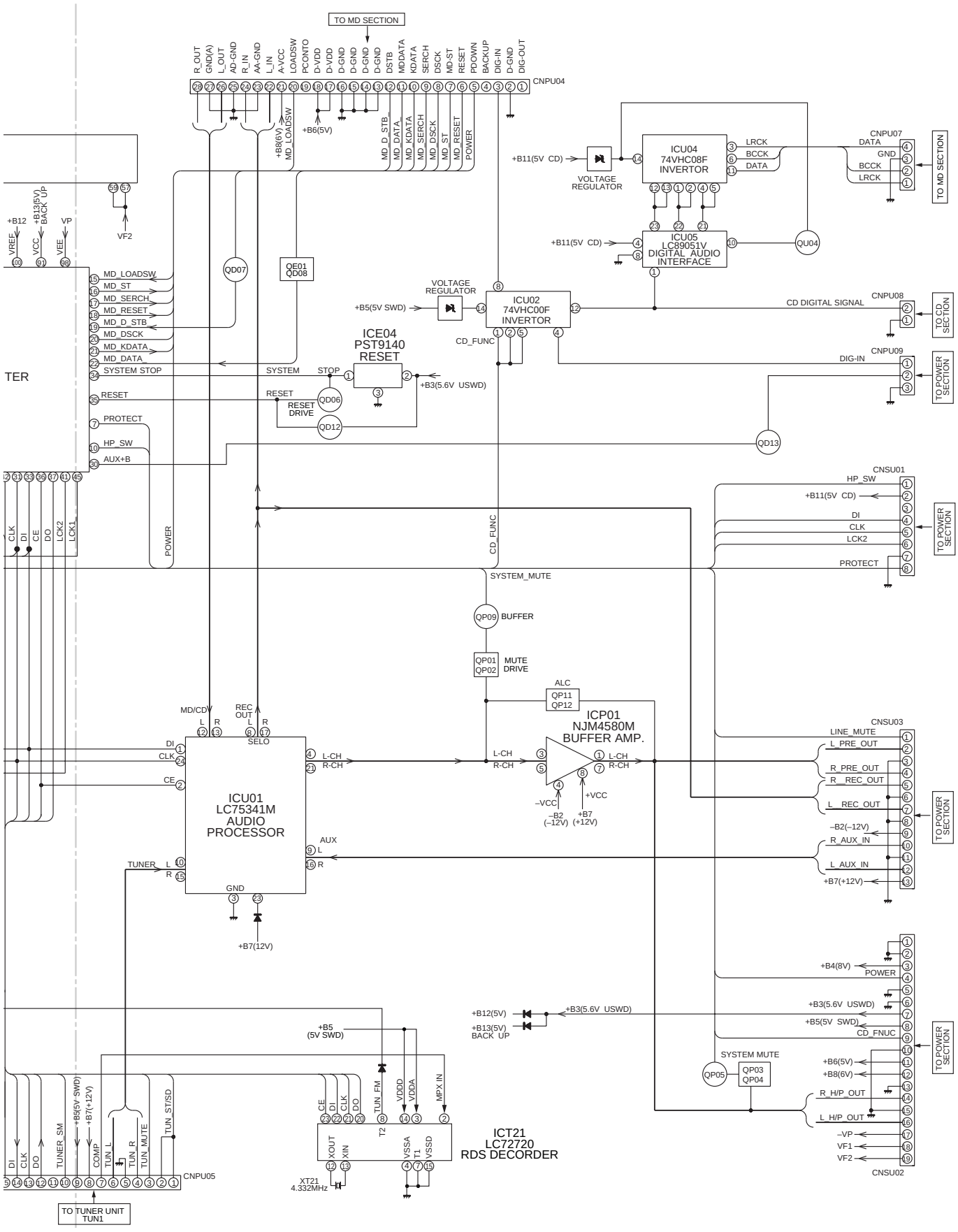


Figure 19 BLOCK DIAGRAM (2/7)

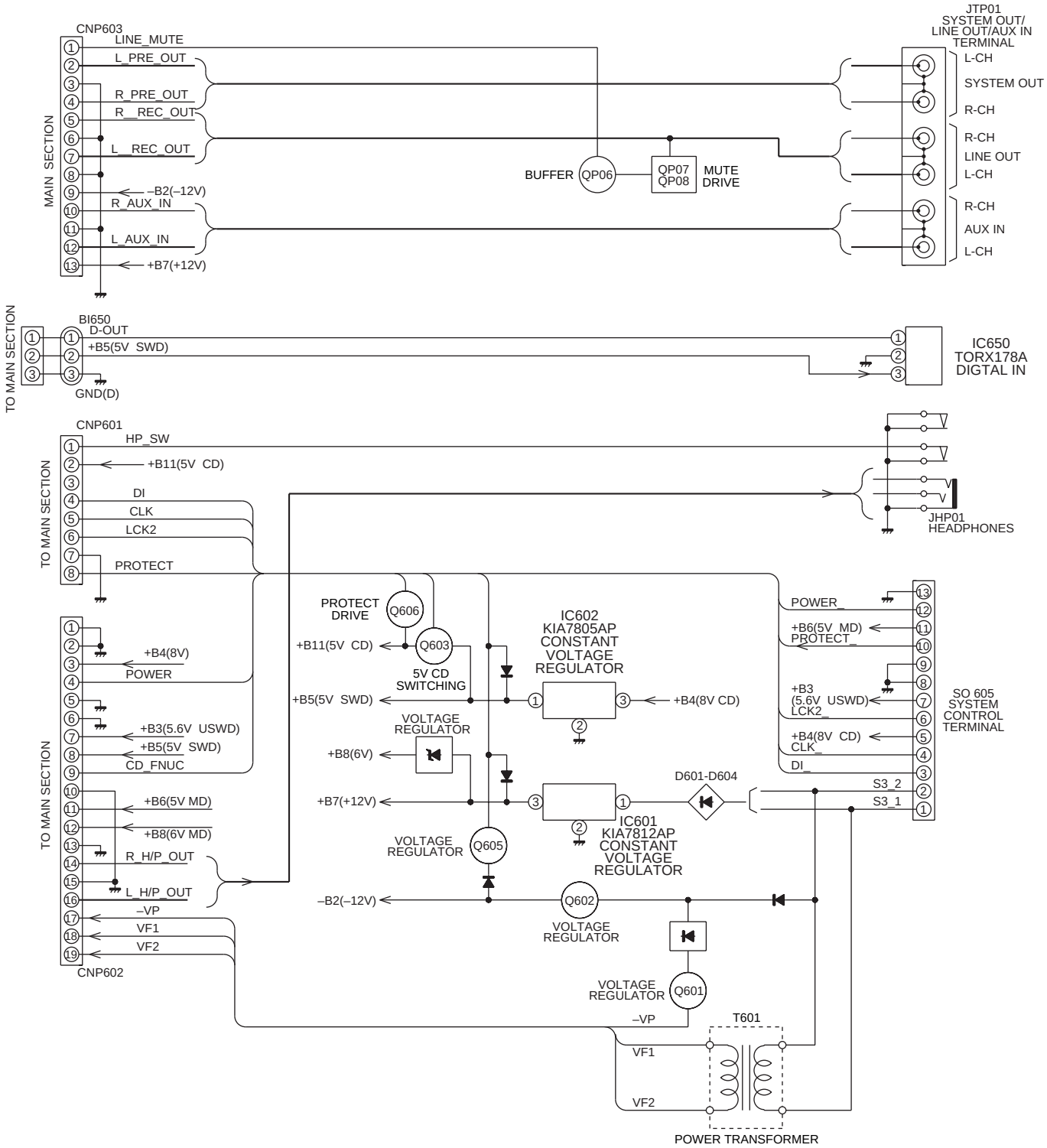


Figure 20 BLOCK DIAGRAM (3/7)

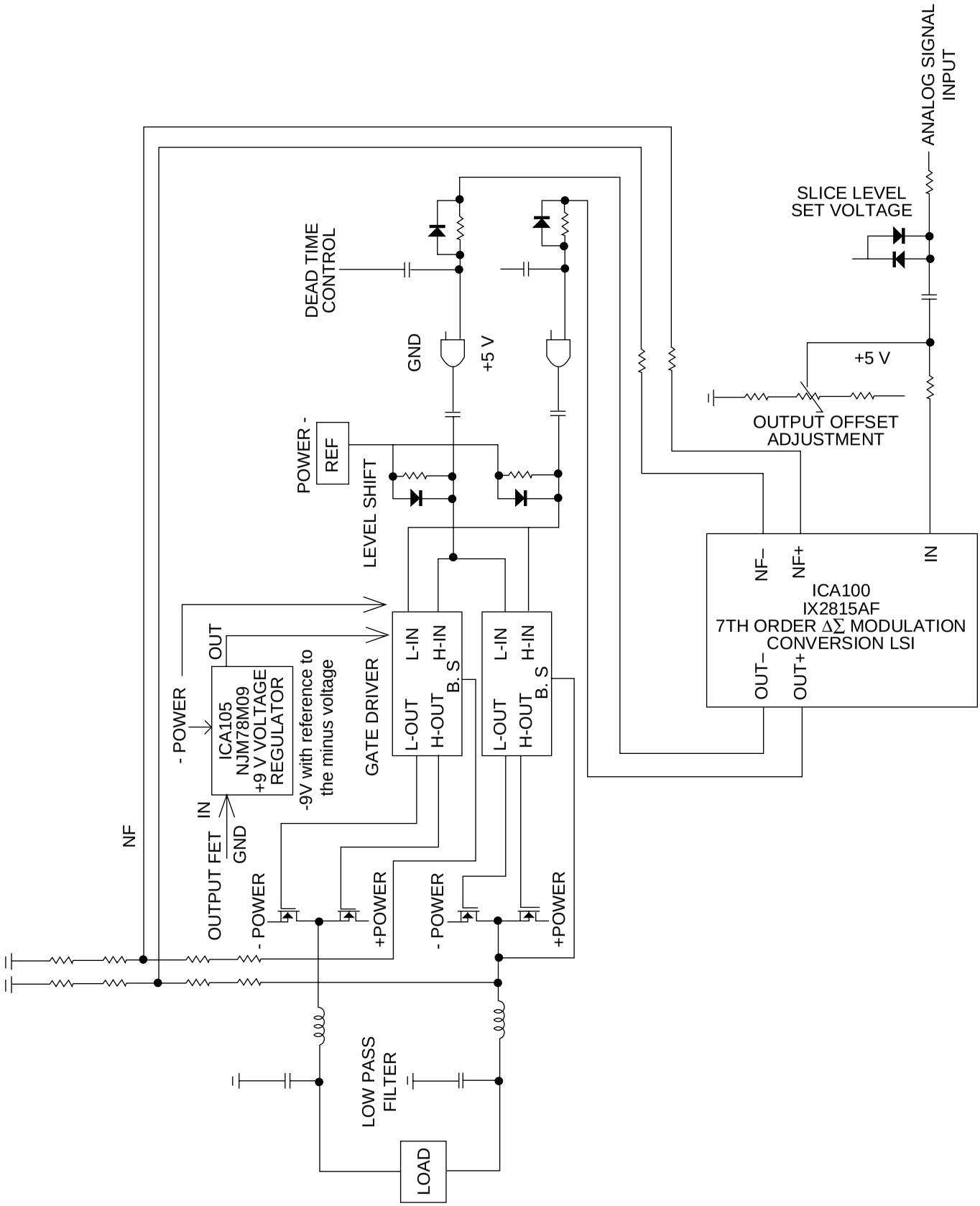


Figure 21 BLOCK DIAGRAM (4/7)

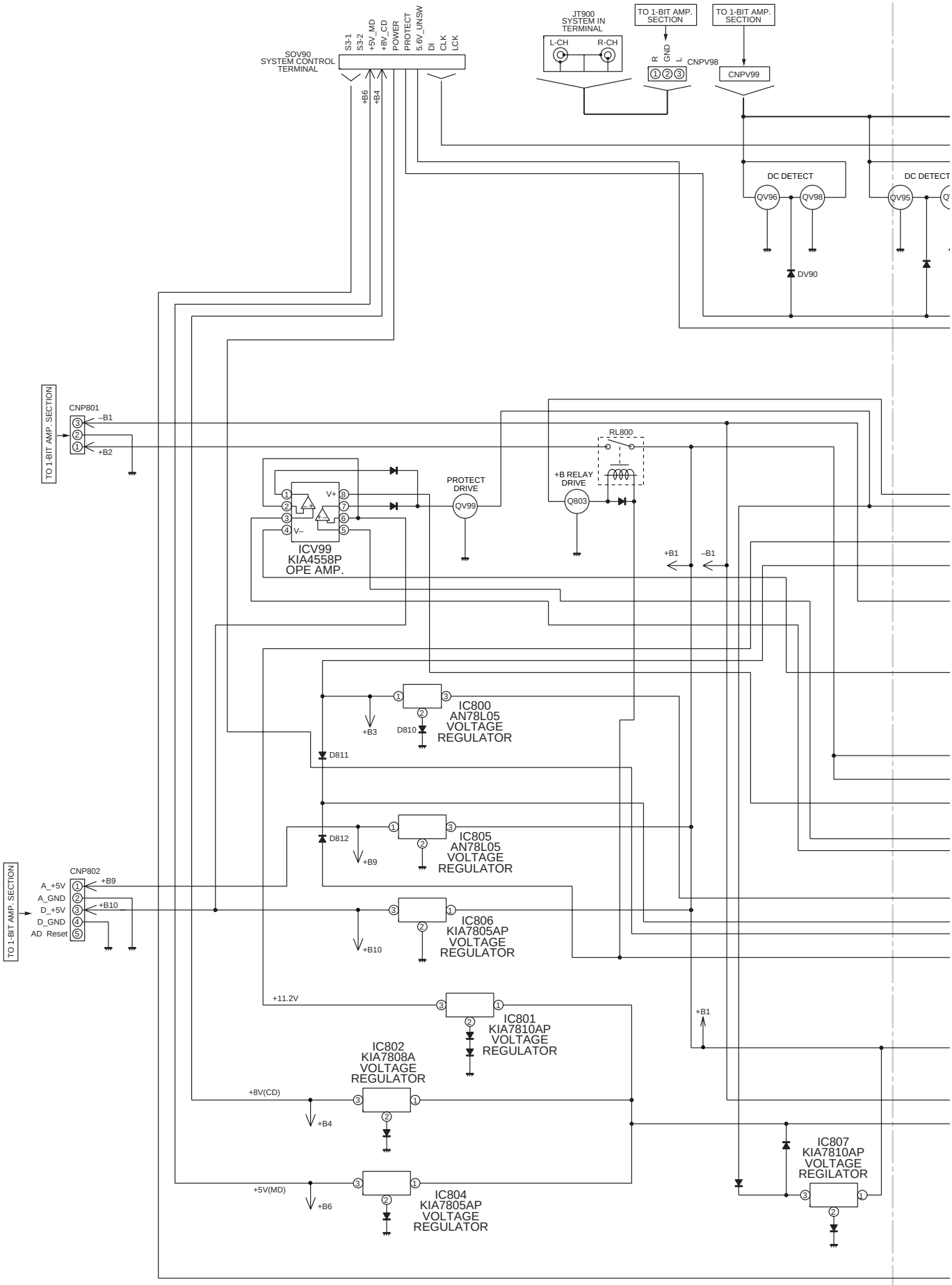


Figure 22 BLOCK DIAGRAM (5/7)

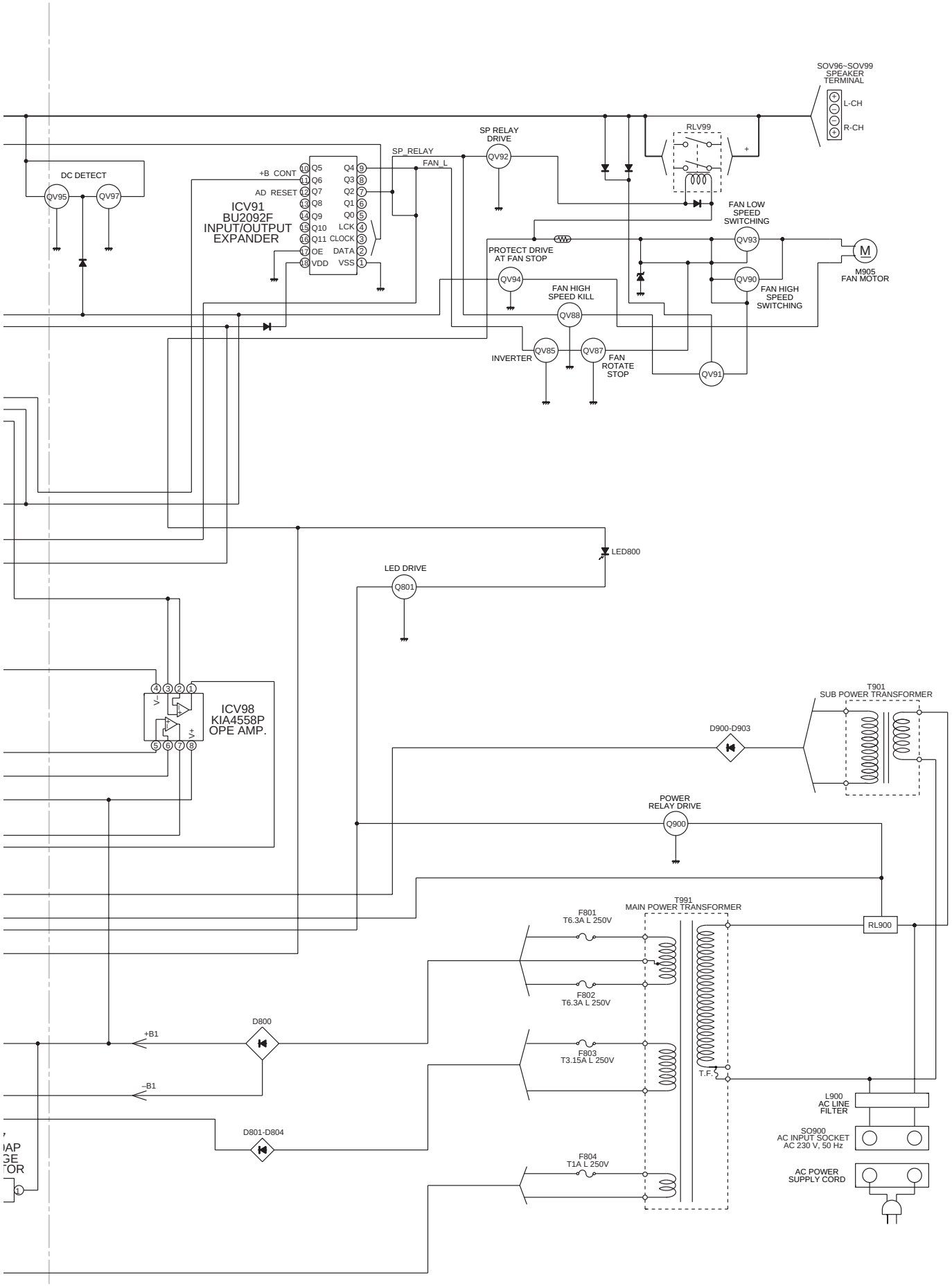


Figure 23 BLOCK DIAGRAM (6/7)

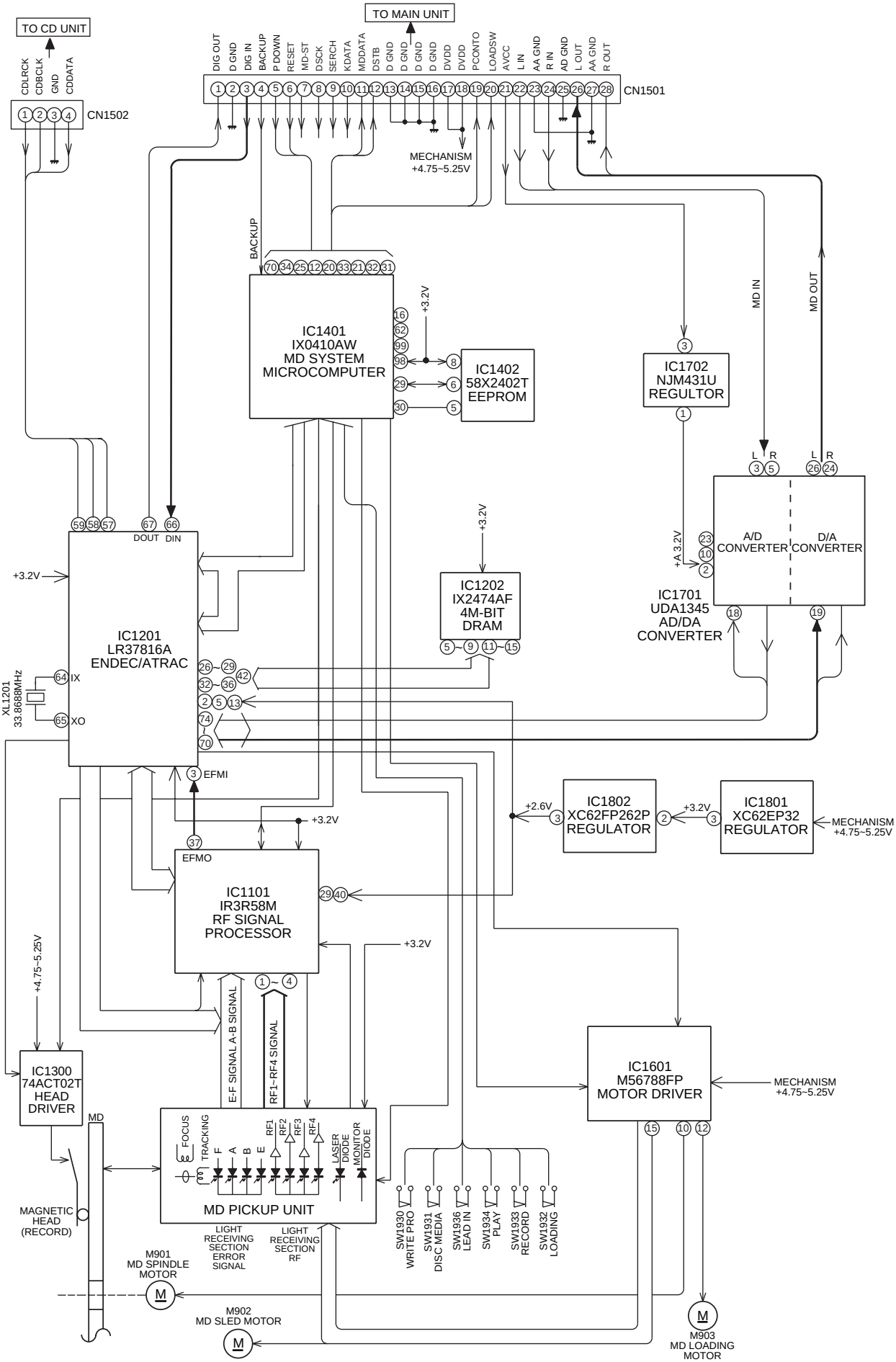
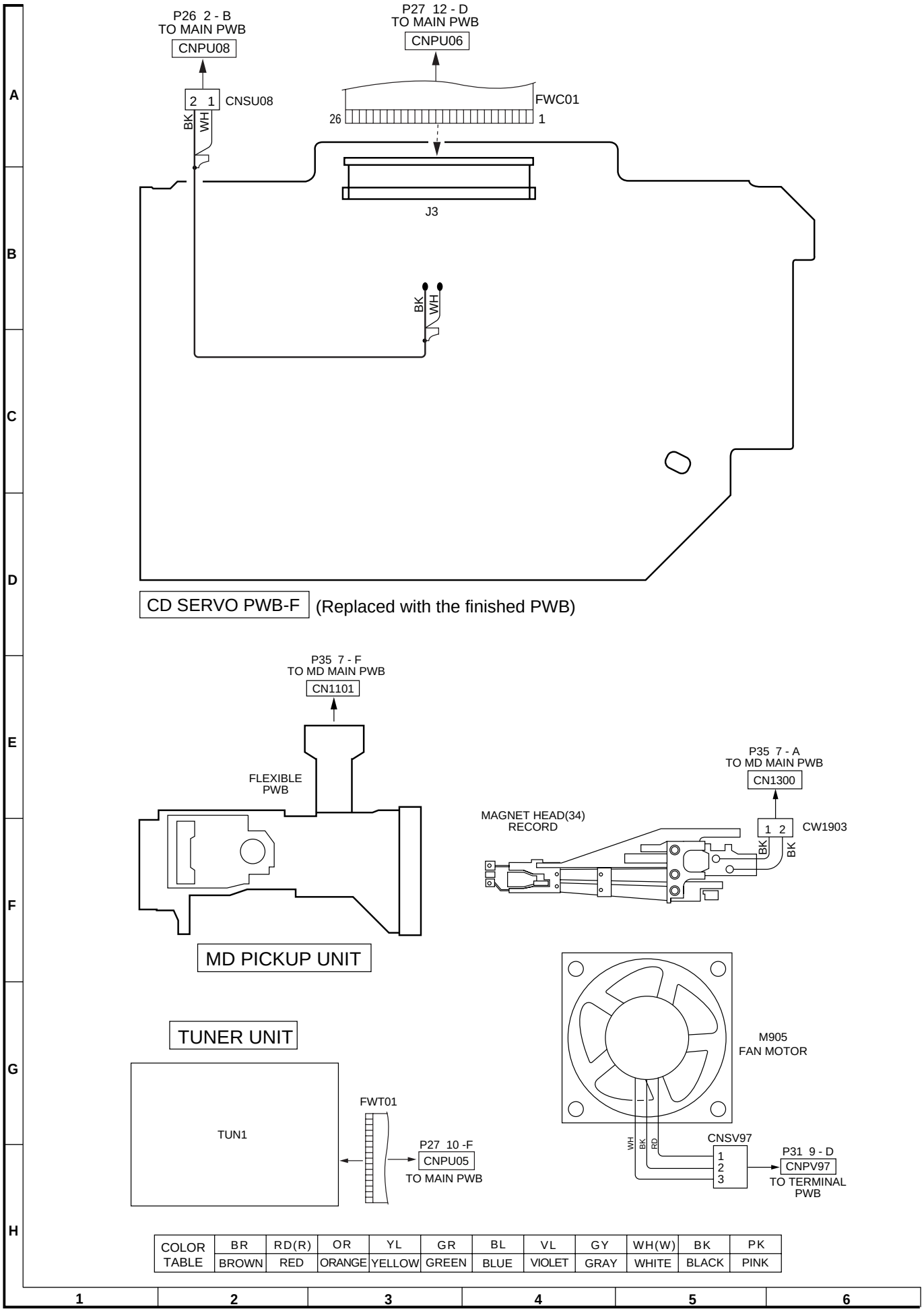


Figure 24 BLOCK DIAGRAM (7/7)



COLOR TABLE	BR	RD(R)	OR	YL	GR	BL	VL	GY	WH(W)	BK	PK
	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GRAY	WHITE	BLACK	PINK

Figure 25 WIRING SIDE OF P.W.BOARD (1/11)

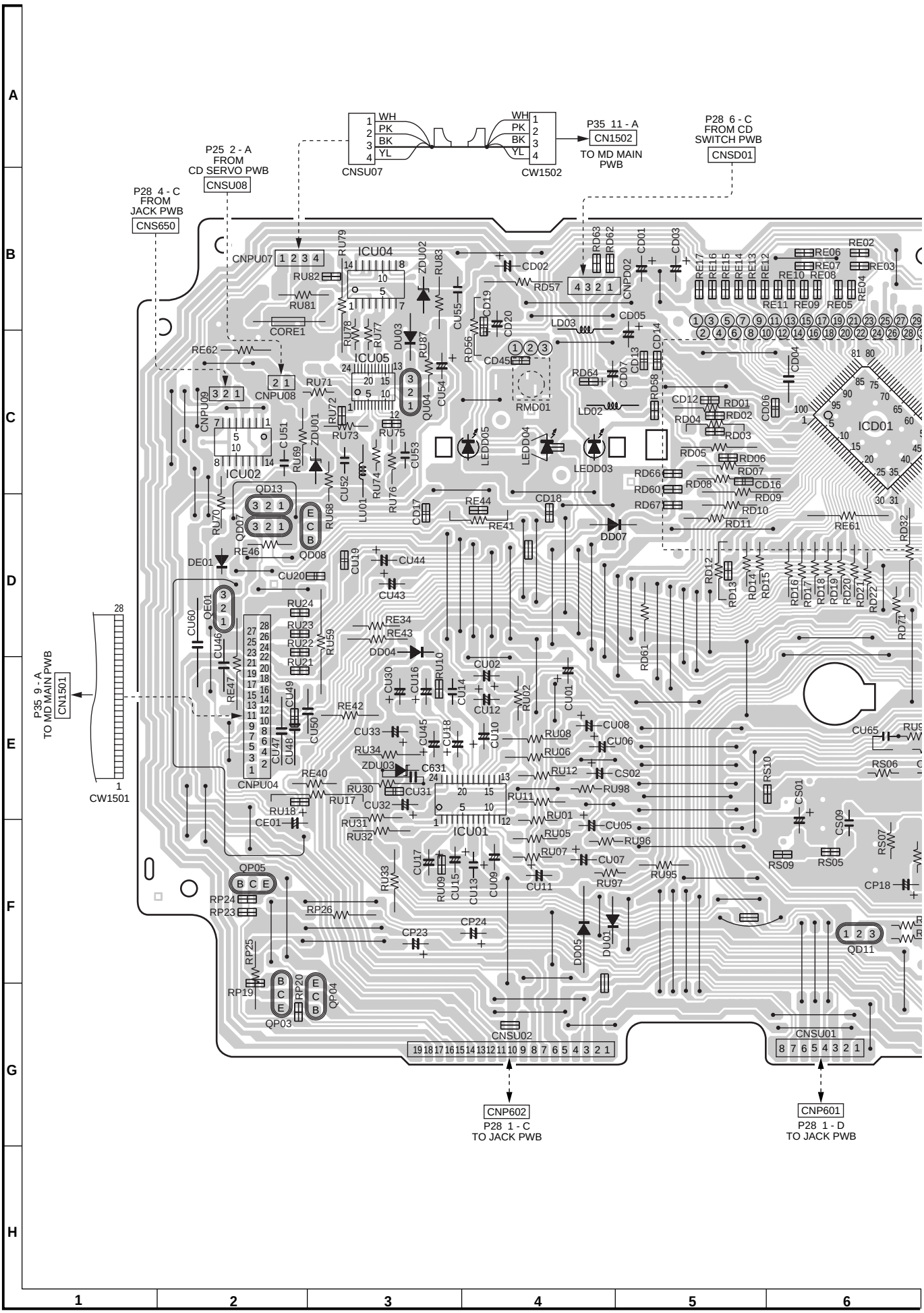
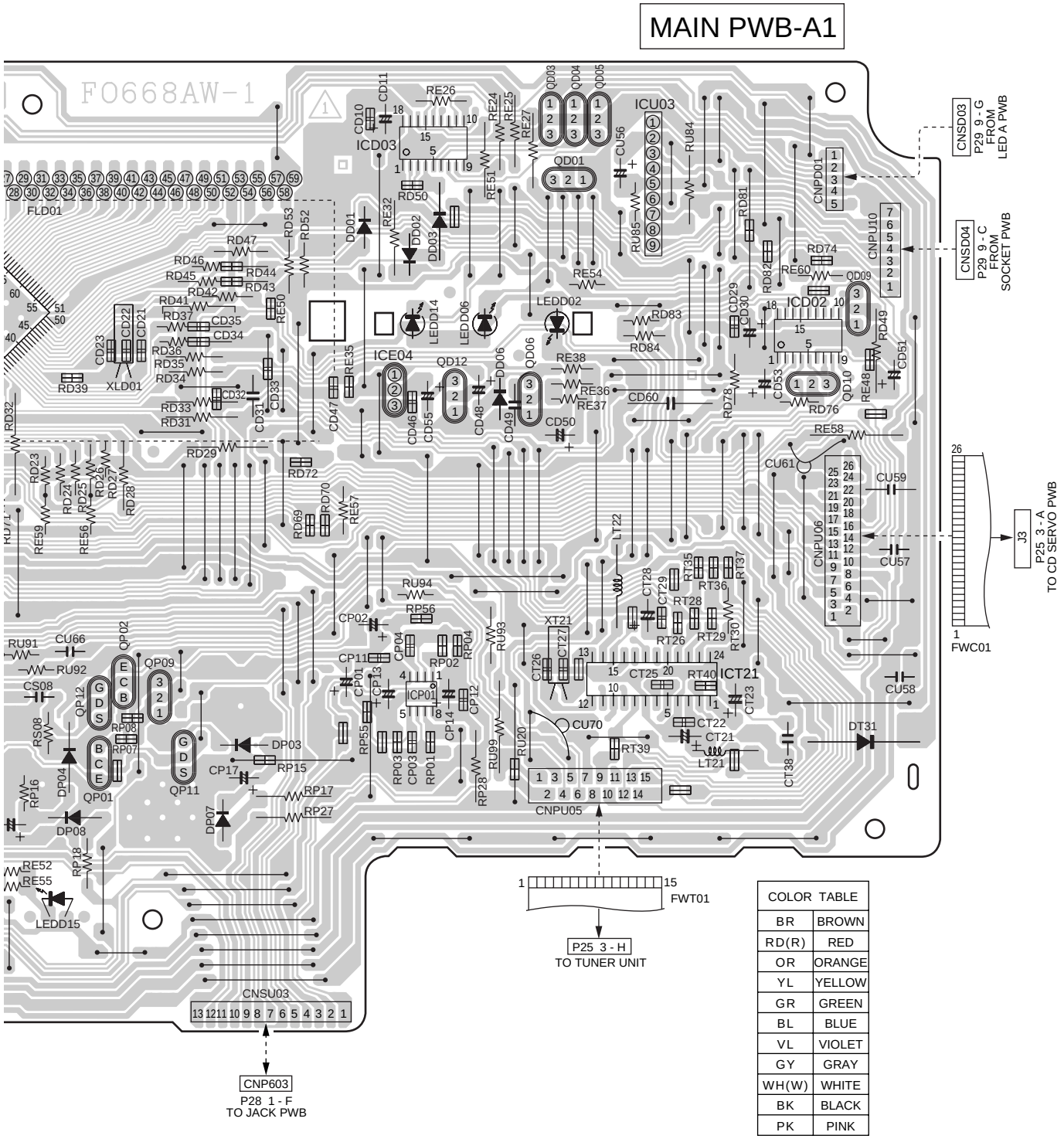


Figure 26 WIRING SIDE OF P.W.BOARD (2/11)



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

7	8	9	10	11	12

Figure 27 WIRING SIDE OF P.W.BOARD (3/11)

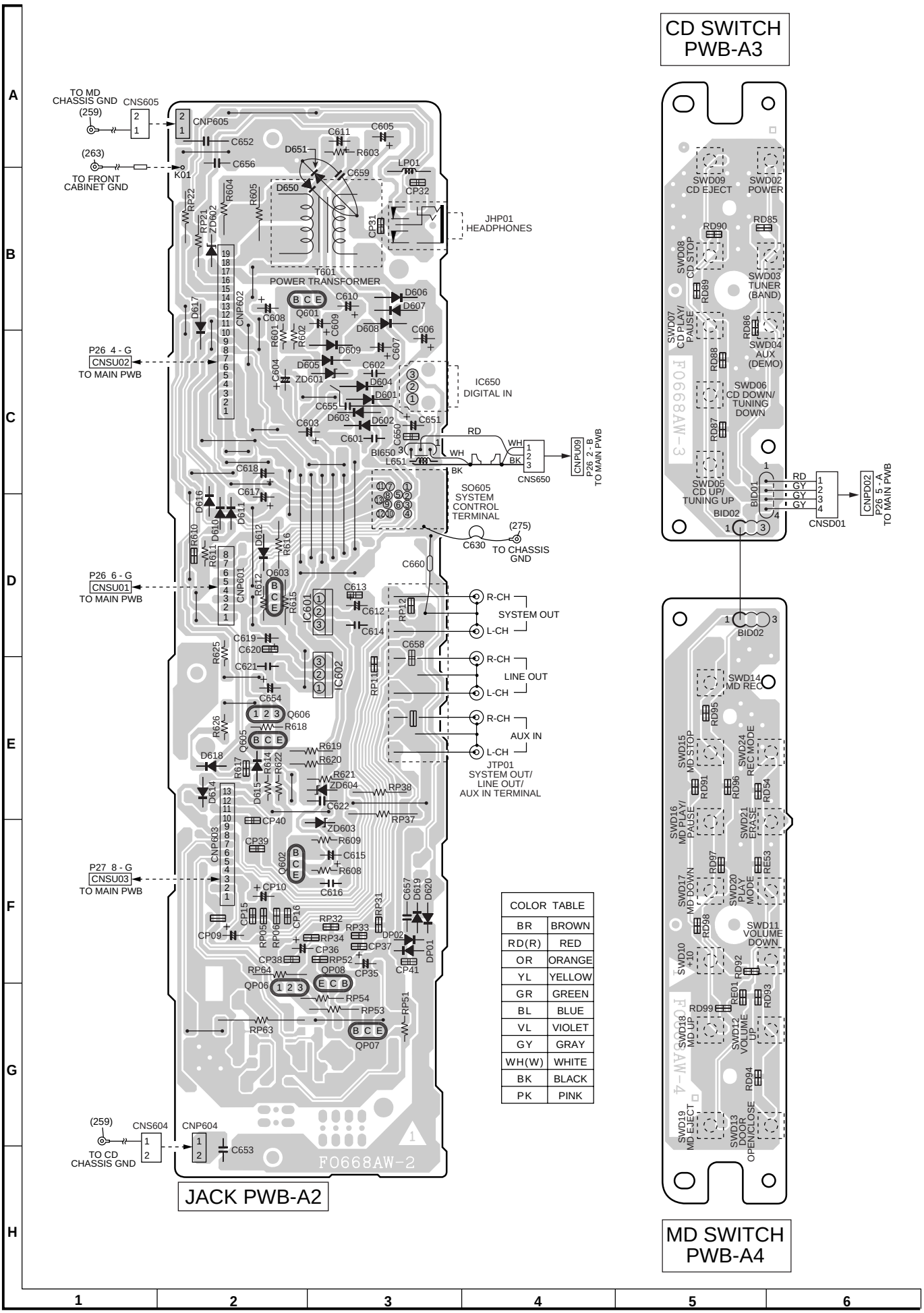
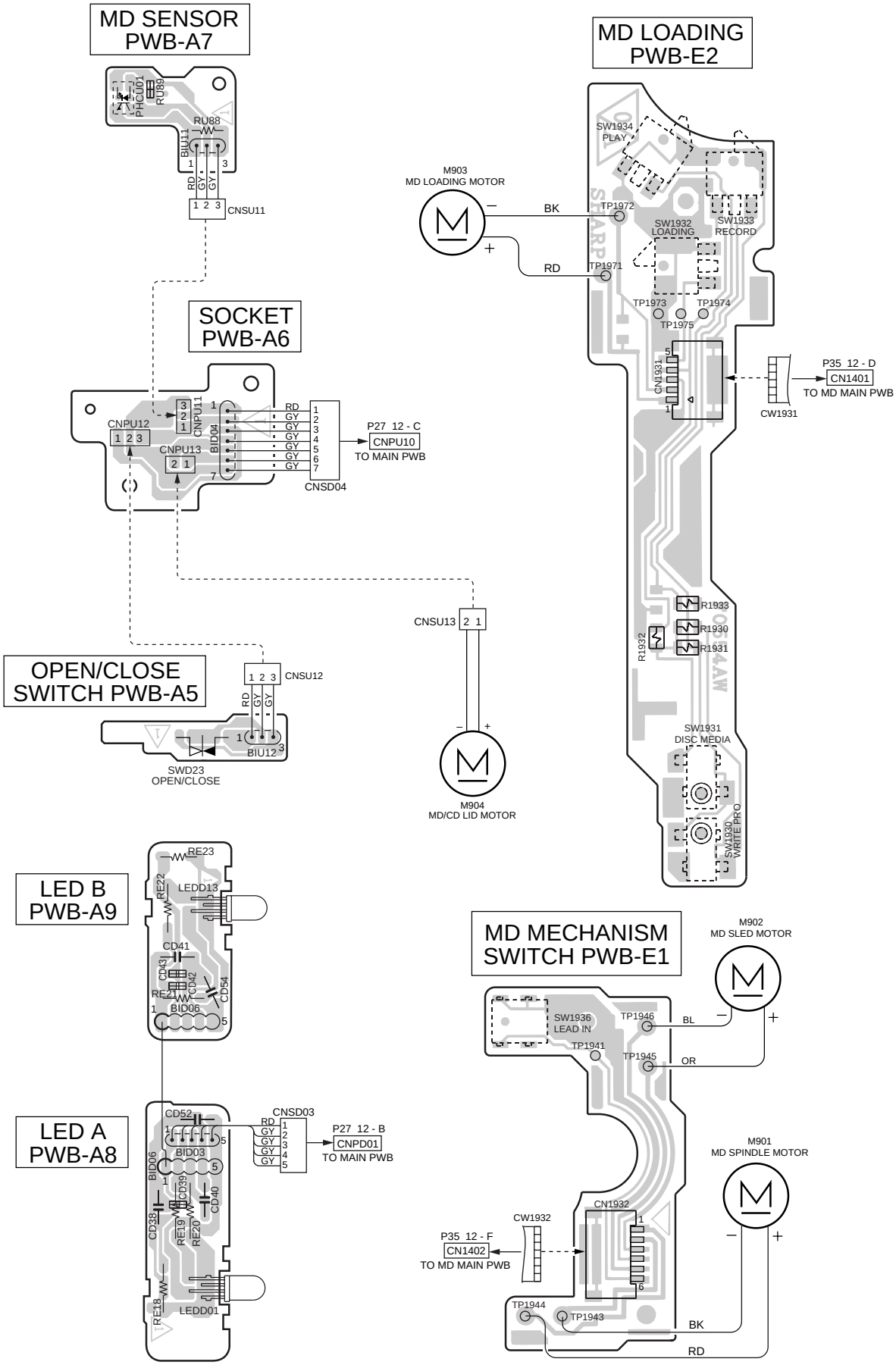


Figure 28 WIRING SIDE OF P.W.BOARD (4/11)



7	8	9	10	11	12

Figure 29 WIRING SIDE OF P.W.BOARD (5/11)

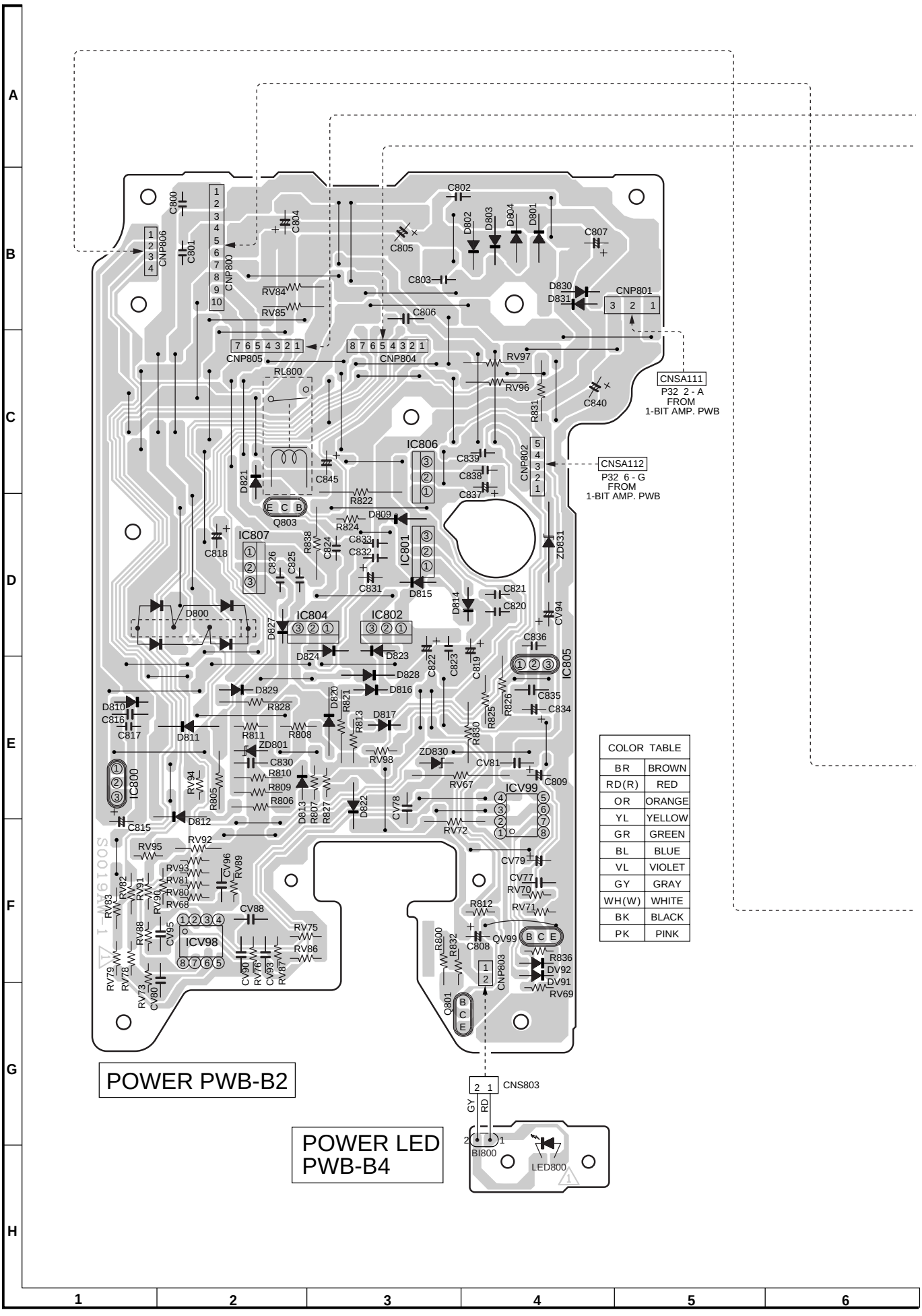
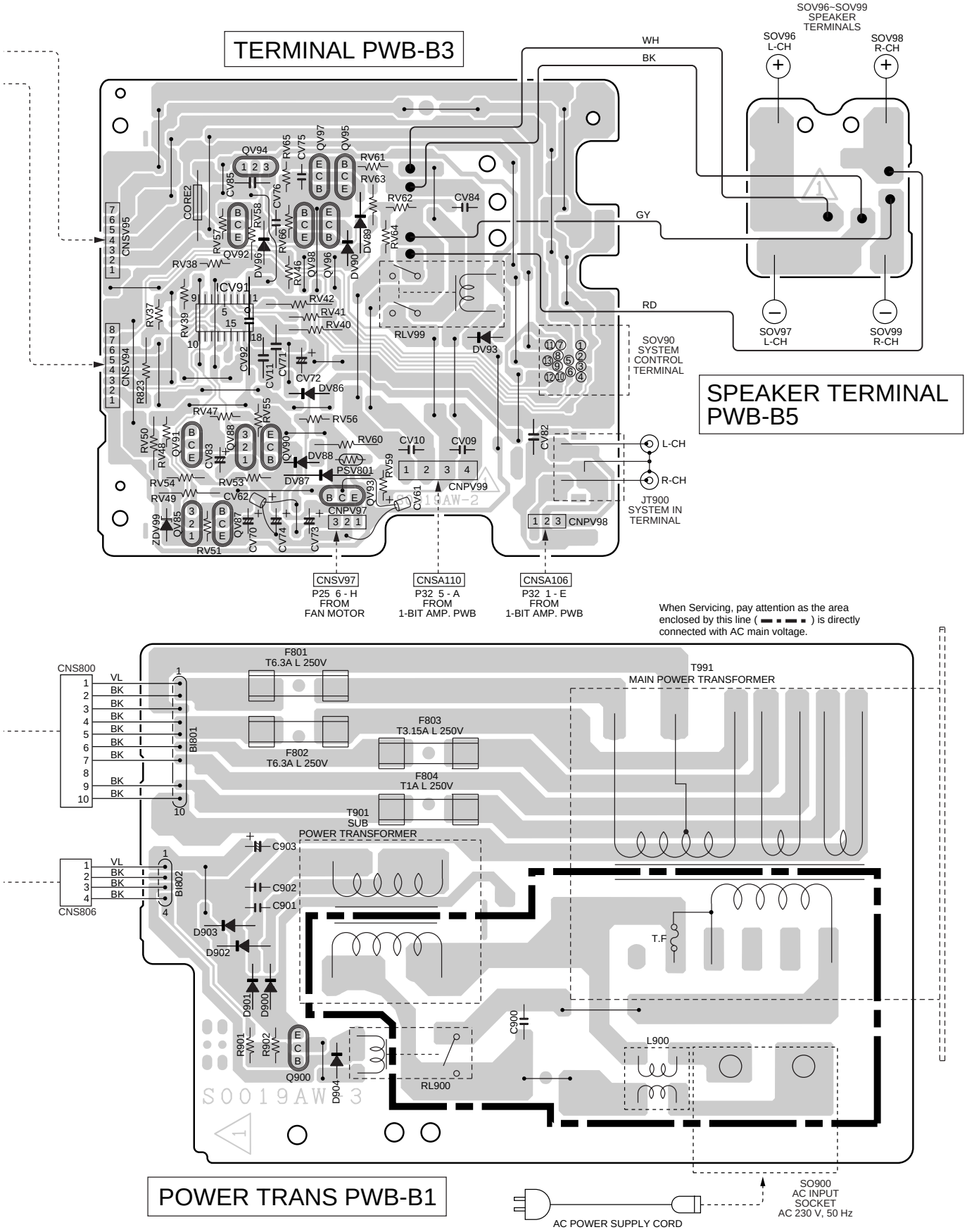


Figure 30 WIRING SIDE OF P.W.BOARD (6/11)



7	8	9	10	11	12

Figure 31 WIRING SIDE OF P.W.BOARD (7/11)

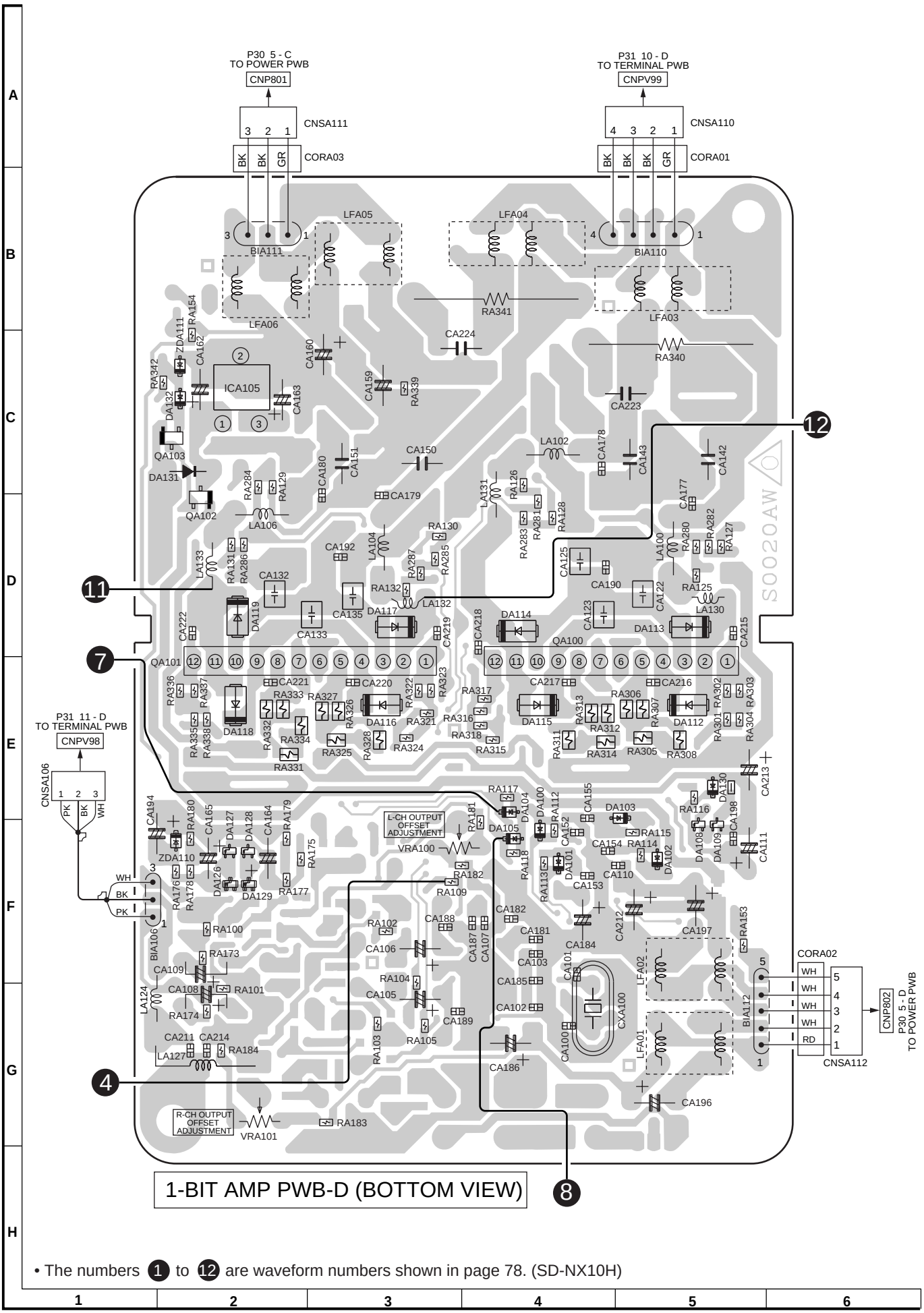
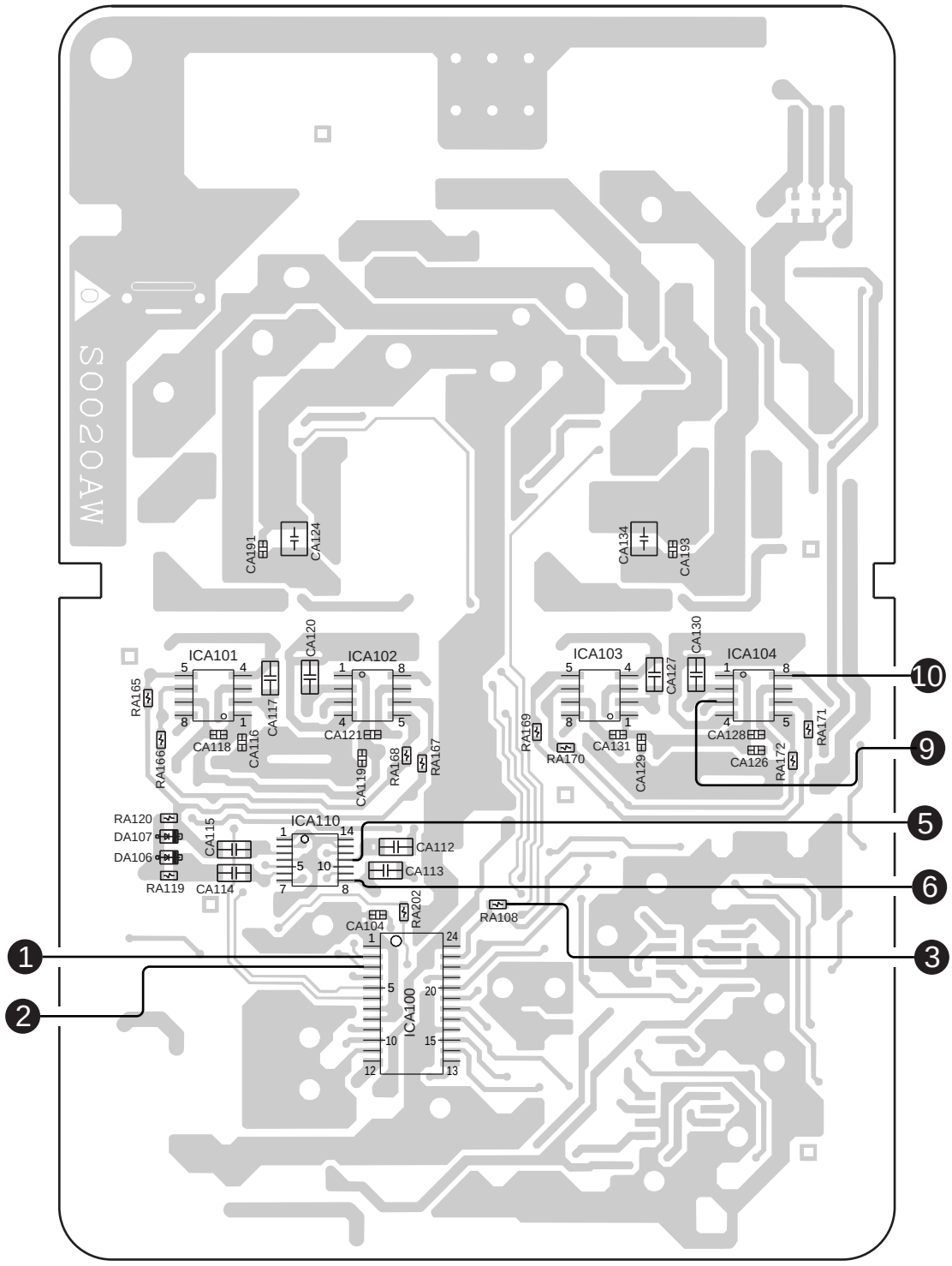


Figure 32 WIRING SIDE OF P.W.BOARD (8/11)

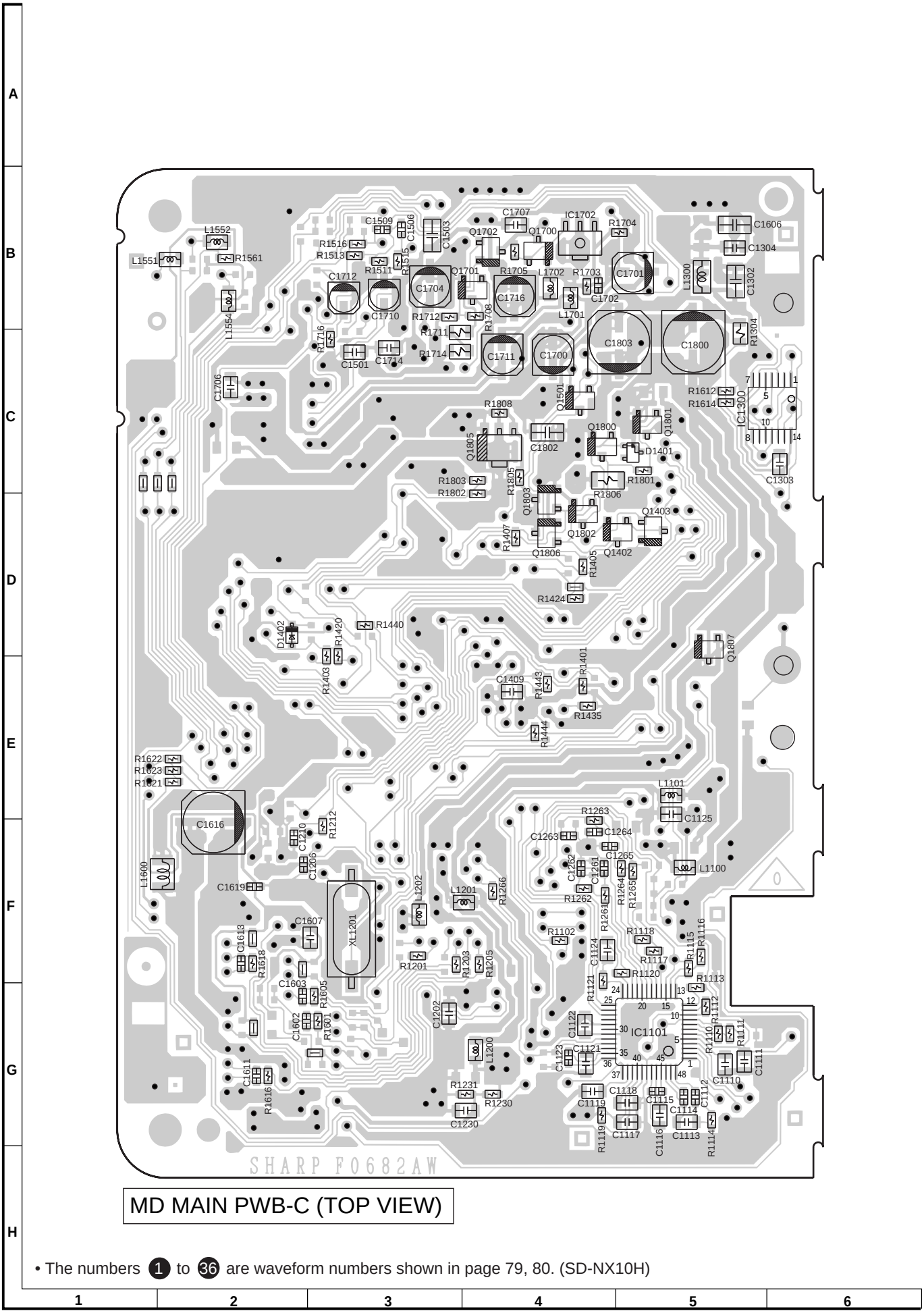
COLOR TABLE	BR	RD(R)	OR	YL	GR	BL	VL	GY	WH(W)	BK	PK
	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GRAY	WHITE	BLACK	PINK



1-BIT AMP PWB-D (TOP VIEW)

7	8	9	10	11	12

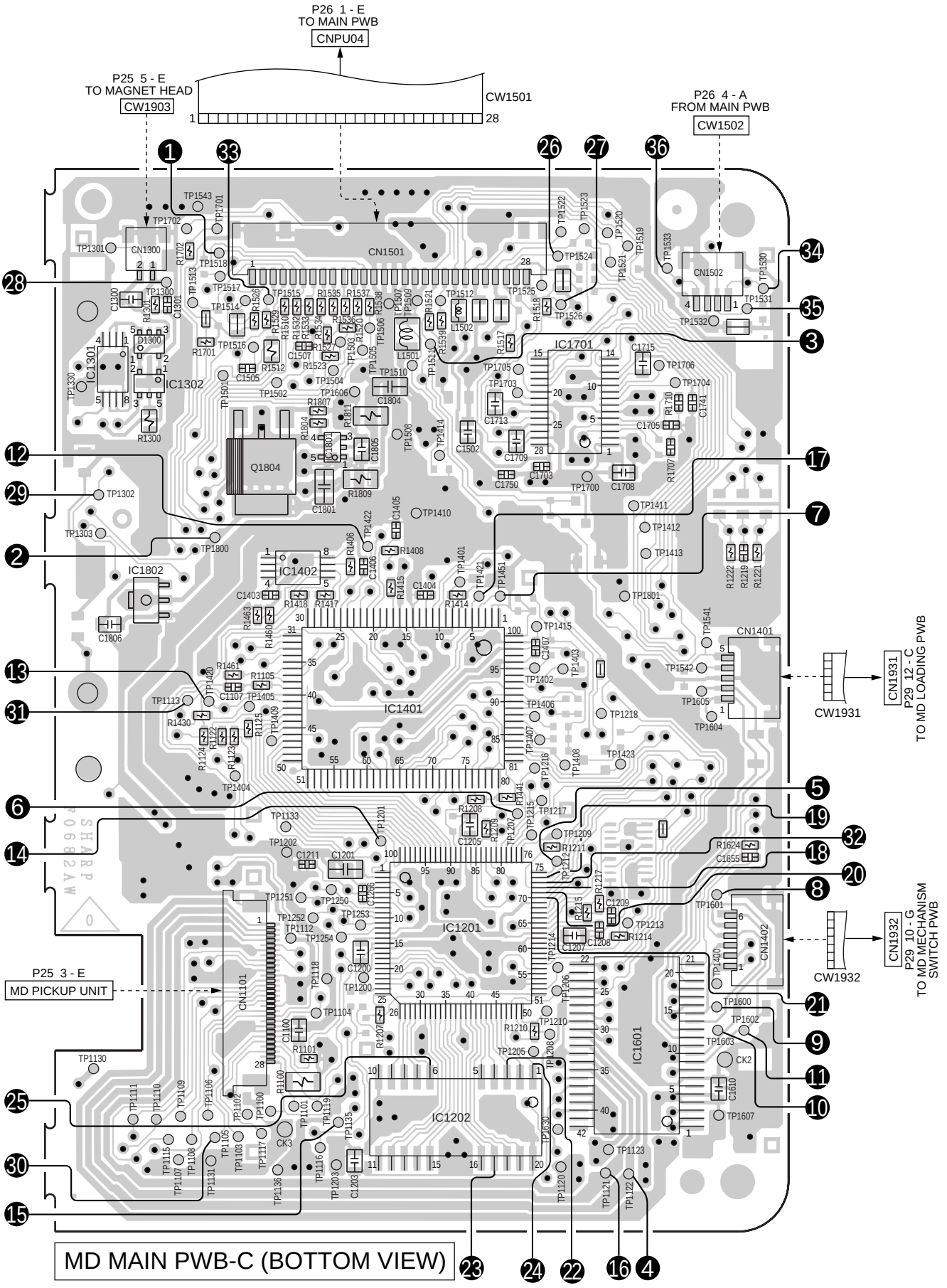
Figure 33 WIRING SIDE OF P.W.BOARD (9/11)



MD MAIN PWB-C (TOP VIEW)

• The numbers ❶ to ㊱ are waveform numbers shown in page 79, 80. (SD-NX10H)

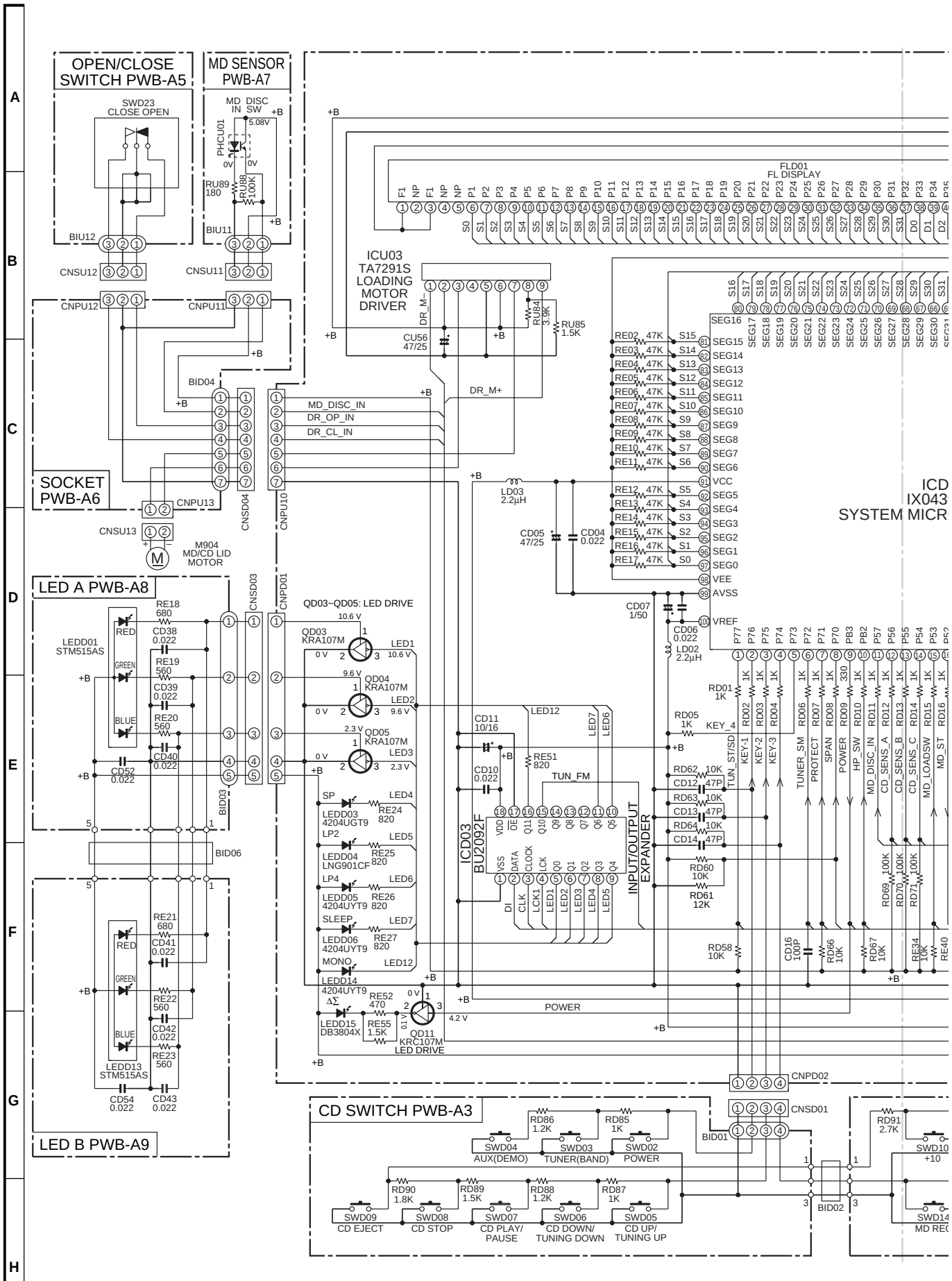
Figure 34 WIRING SIDE OF P.W.BOARD (10/11)



● : Through-hole where the top and bottom patterns are connected.

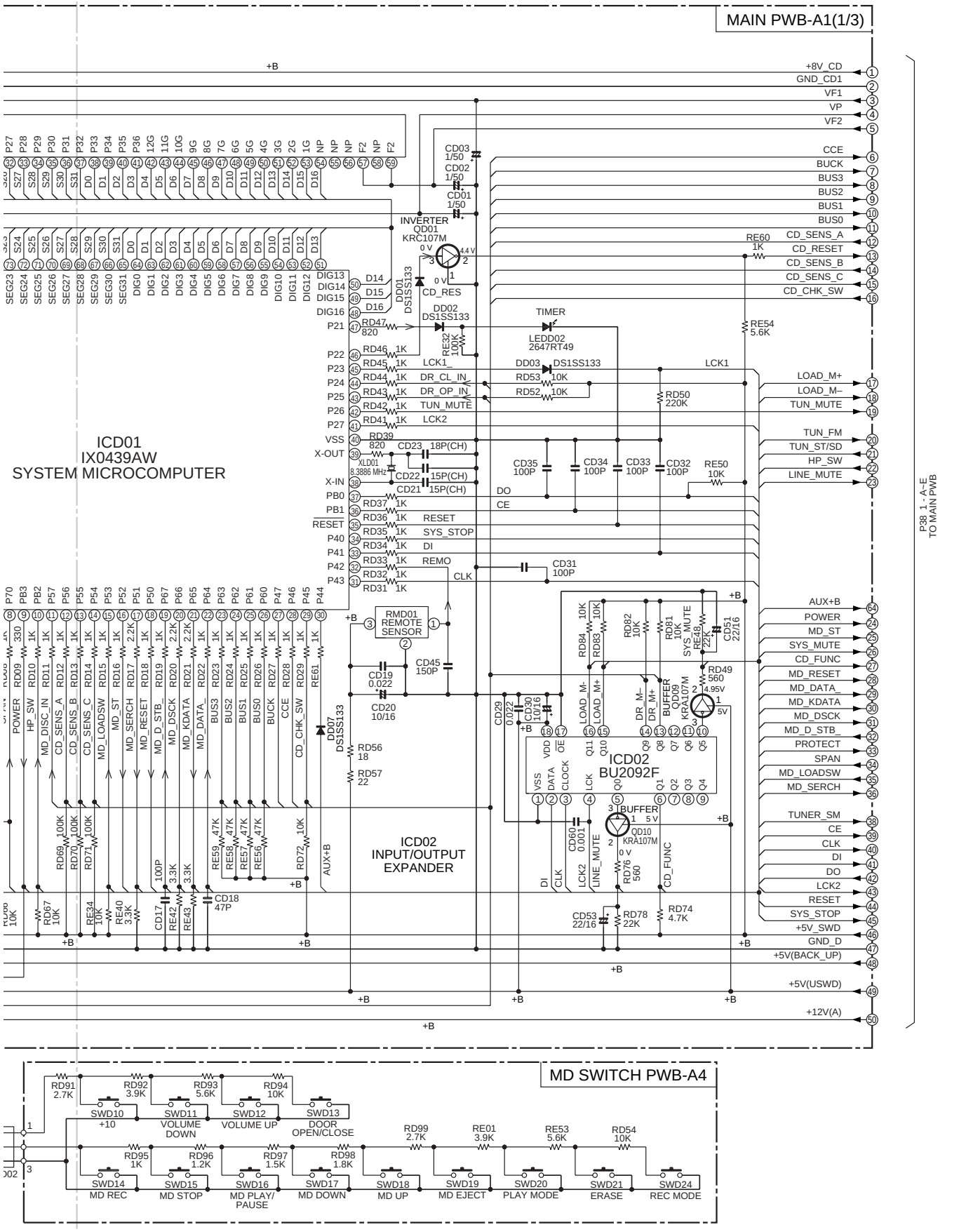
7	8	9	10	11	12

Figure 35 WIRING SIDE OF P.W.BOARD (11/11)



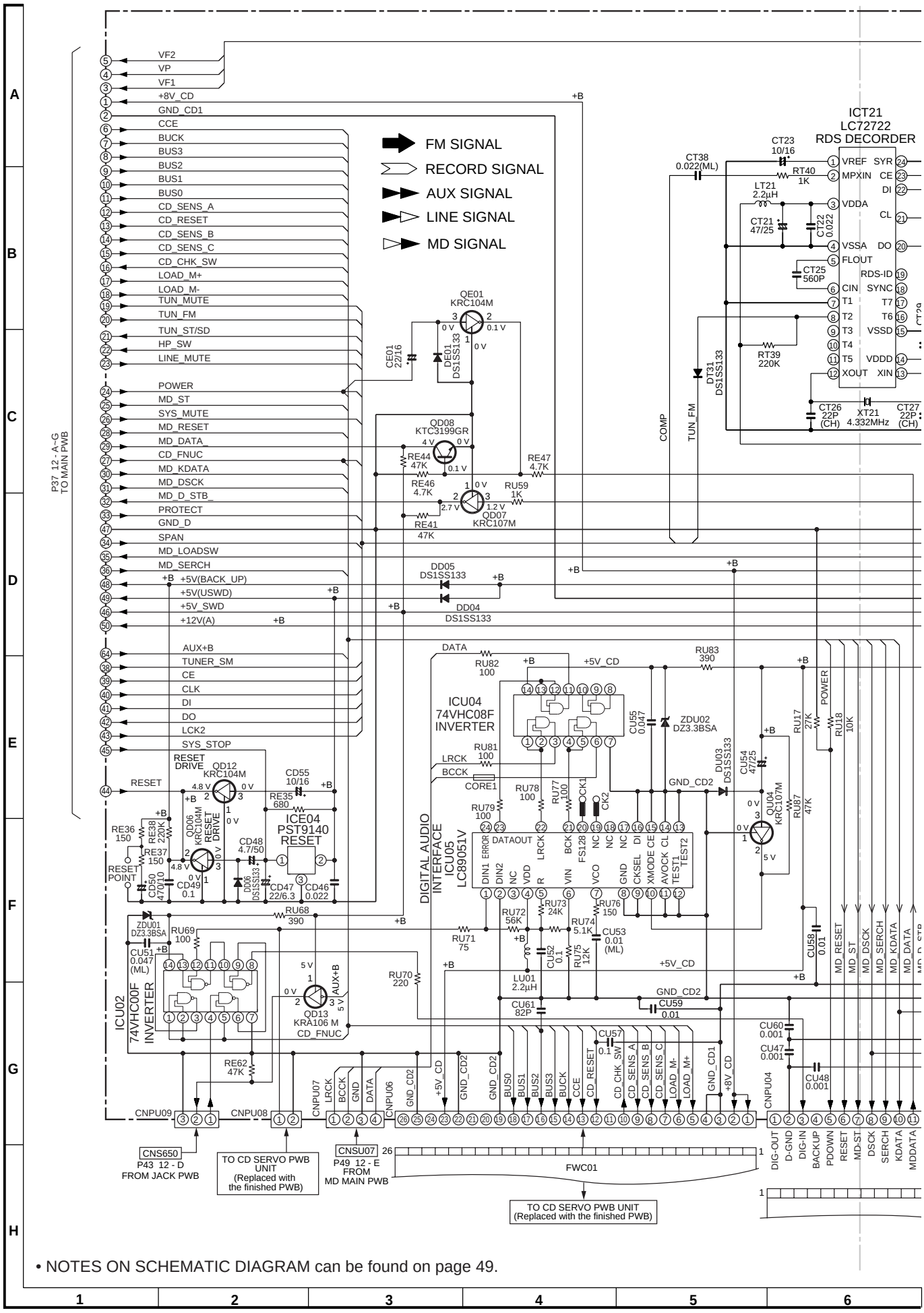
• NOTES ON SCHEMATIC DIAGRAM can be found on page 49.

Figure 36 SCHEMATIC DIAGRAM (1/14)



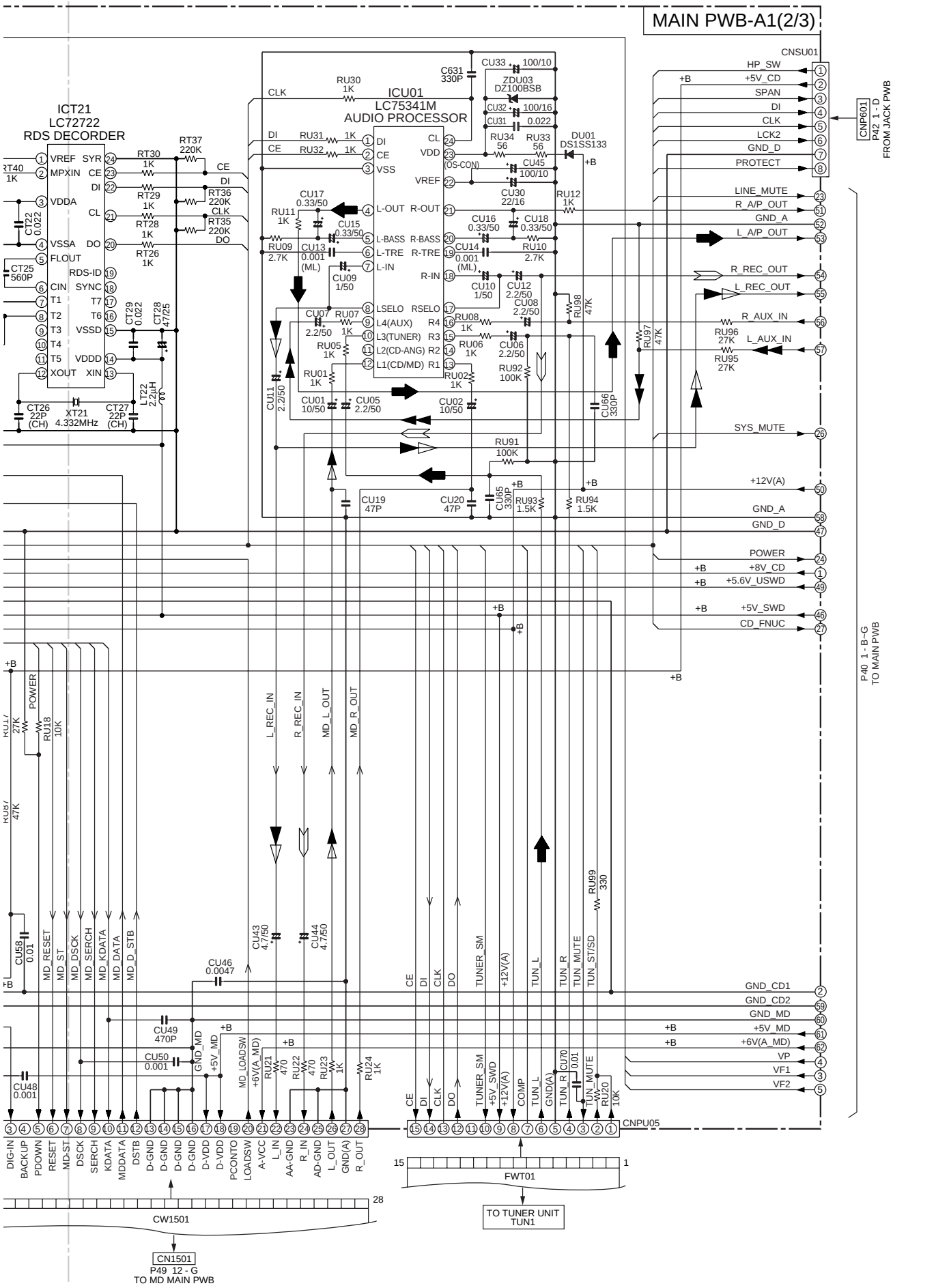
7	8	9	10	11	12

Figure 37 SCHEMATIC DIAGRAM (2/14)



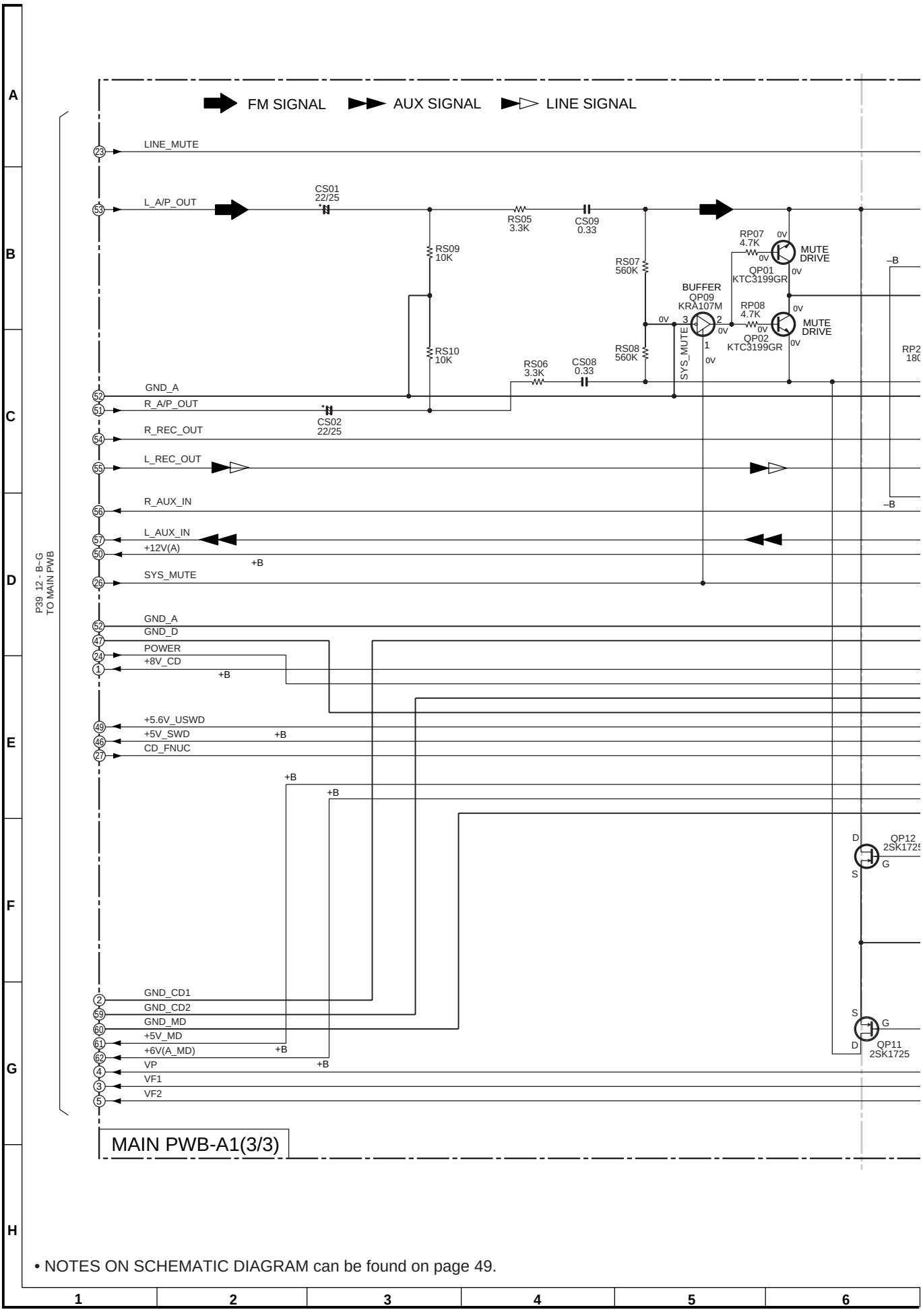
• NOTES ON SCHEMATIC DIAGRAM can be found on page 49.

Figure 38 SCHEMATIC DIAGRAM (3/14)



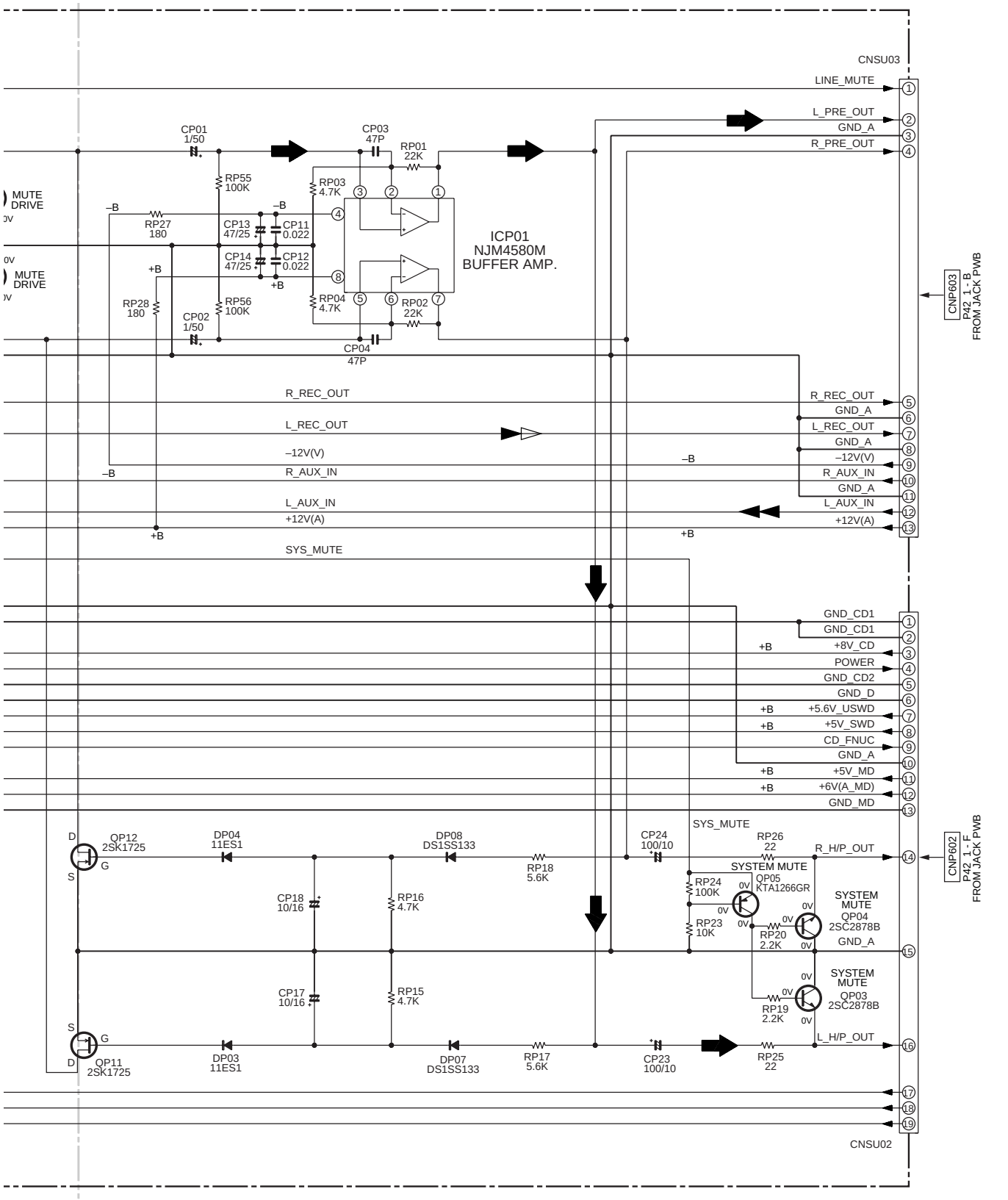
7	8	9	10	11	12

Figure 39 SCHEMATIC DIAGRAM (4/14)



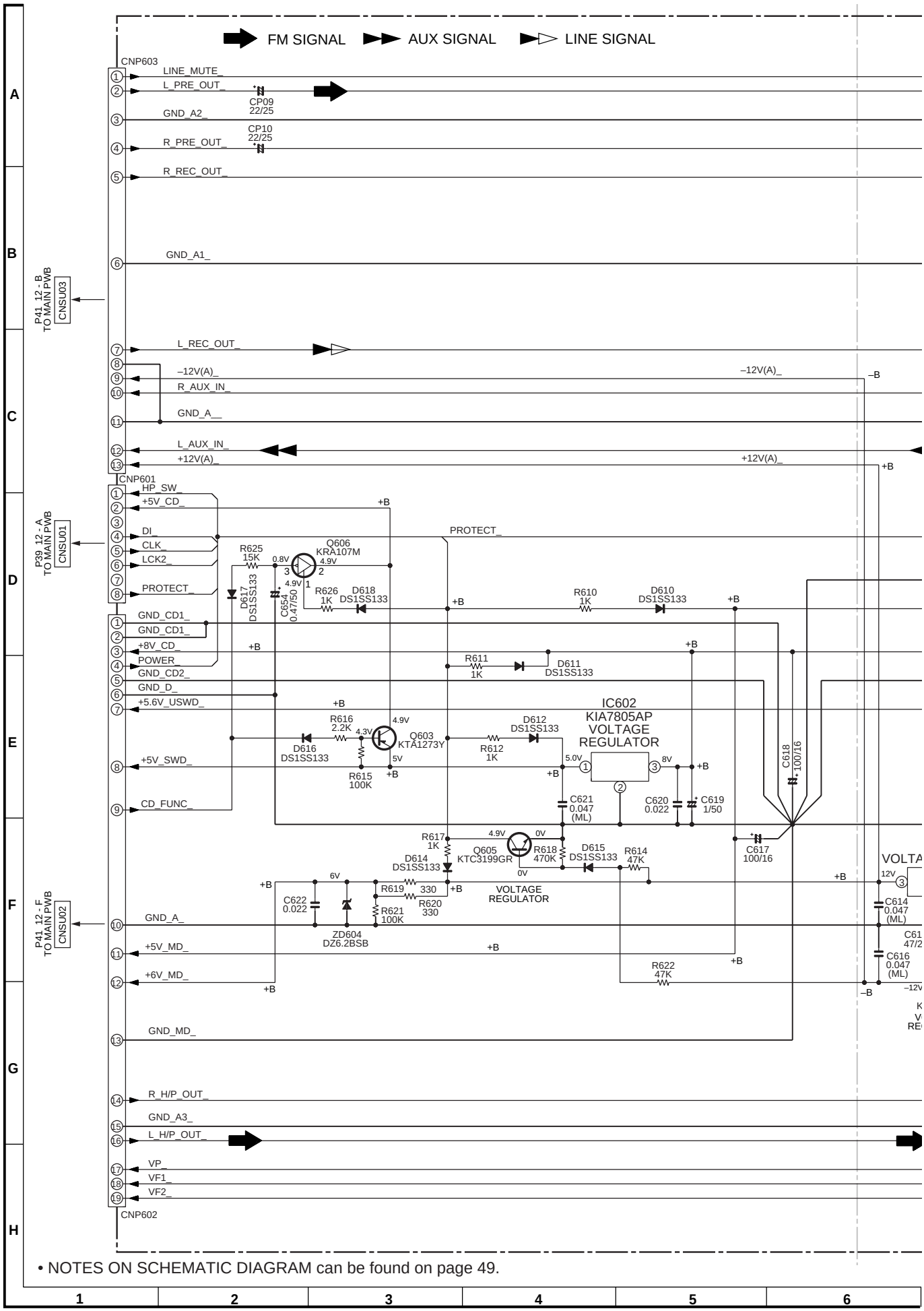
• NOTES ON SCHEMATIC DIAGRAM can be found on page 49.

Figure 40 SCHEMATIC DIAGRAM (5/14)



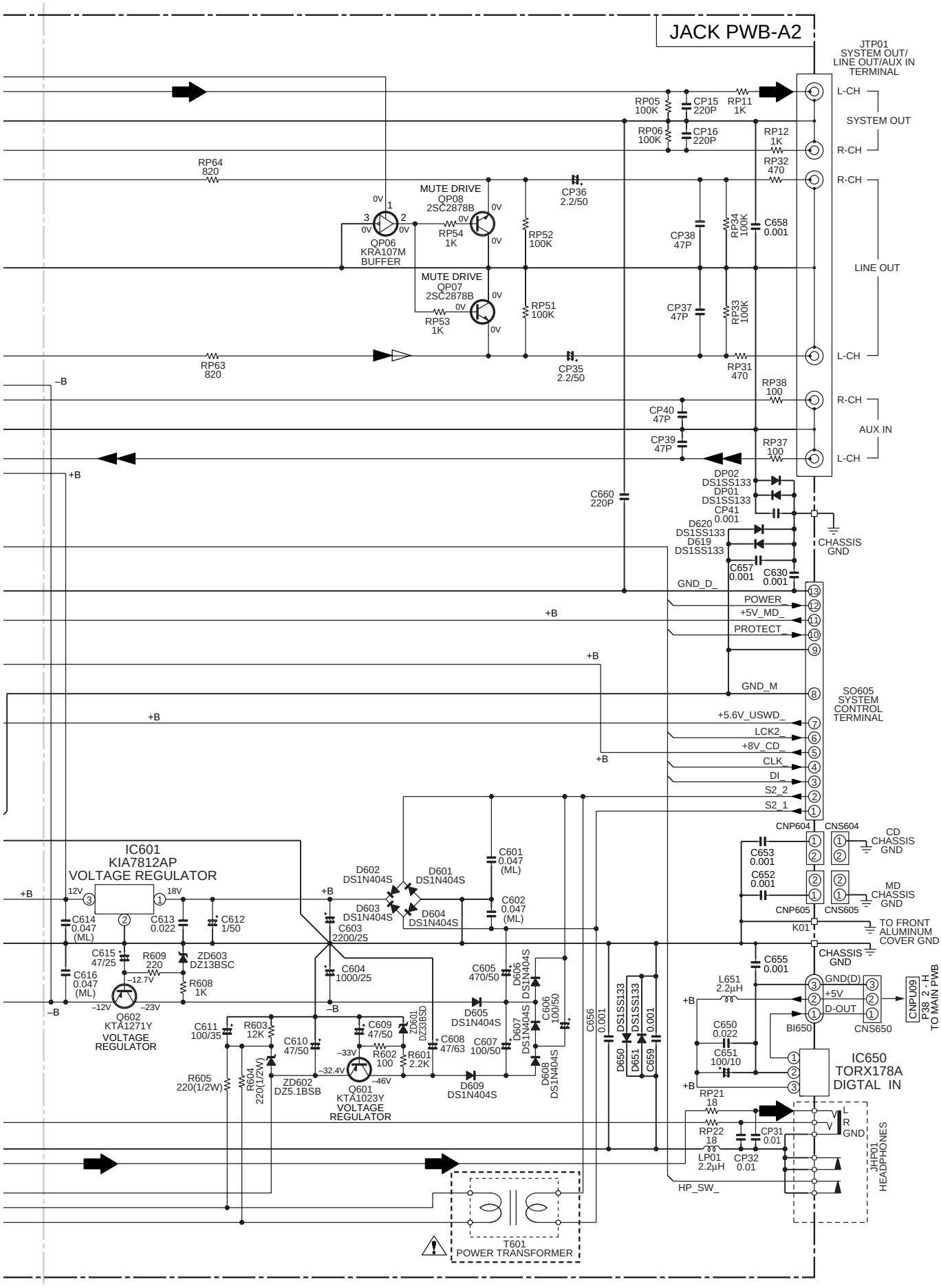
7	8	9	10	11	12

Figure 41 SCHEMATIC DIAGRAM (6/14)



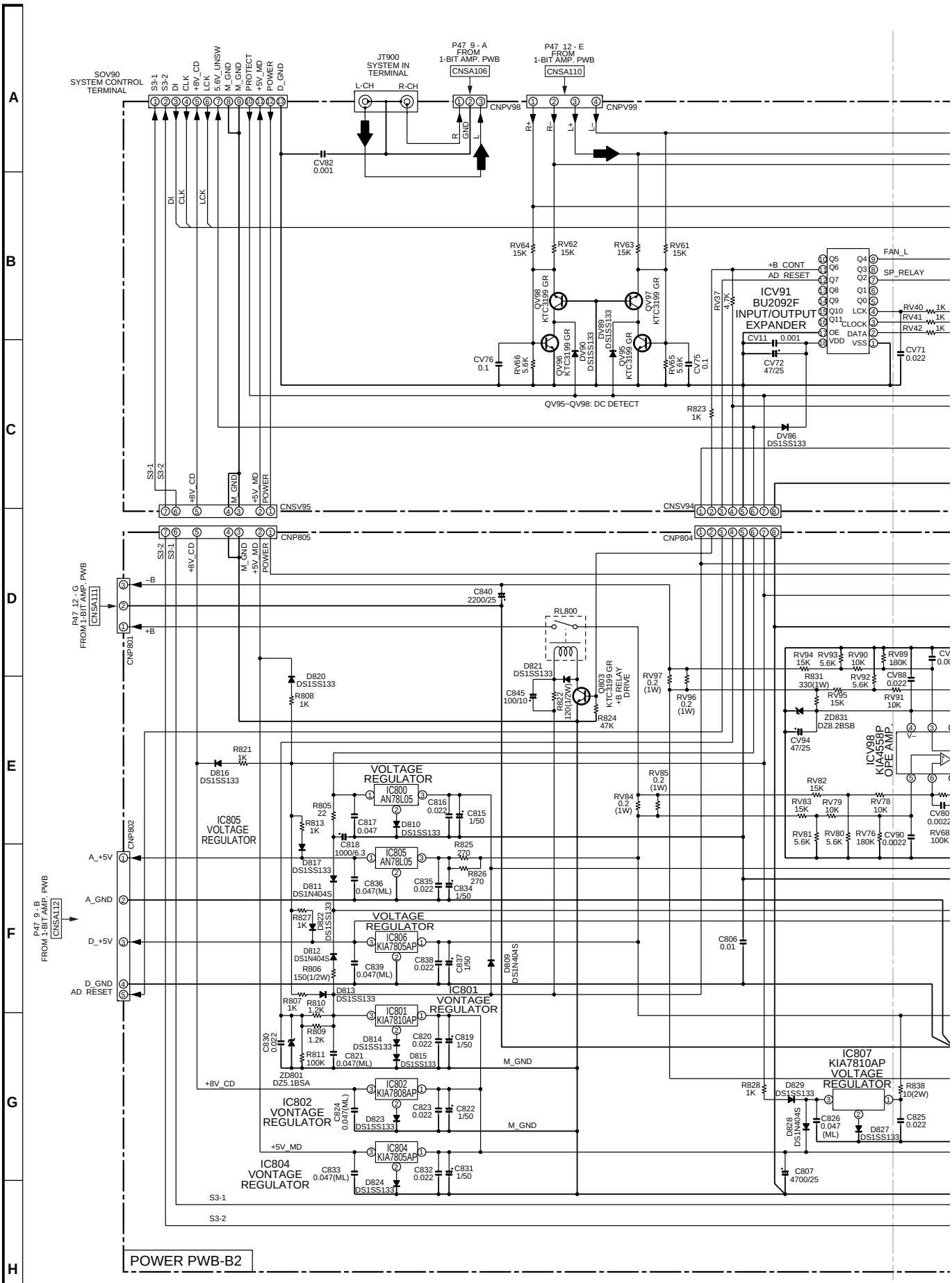
• NOTES ON SCHEMATIC DIAGRAM can be found on page 49.

Figure 42 SCHEMATIC DIAGRAM (7/14).



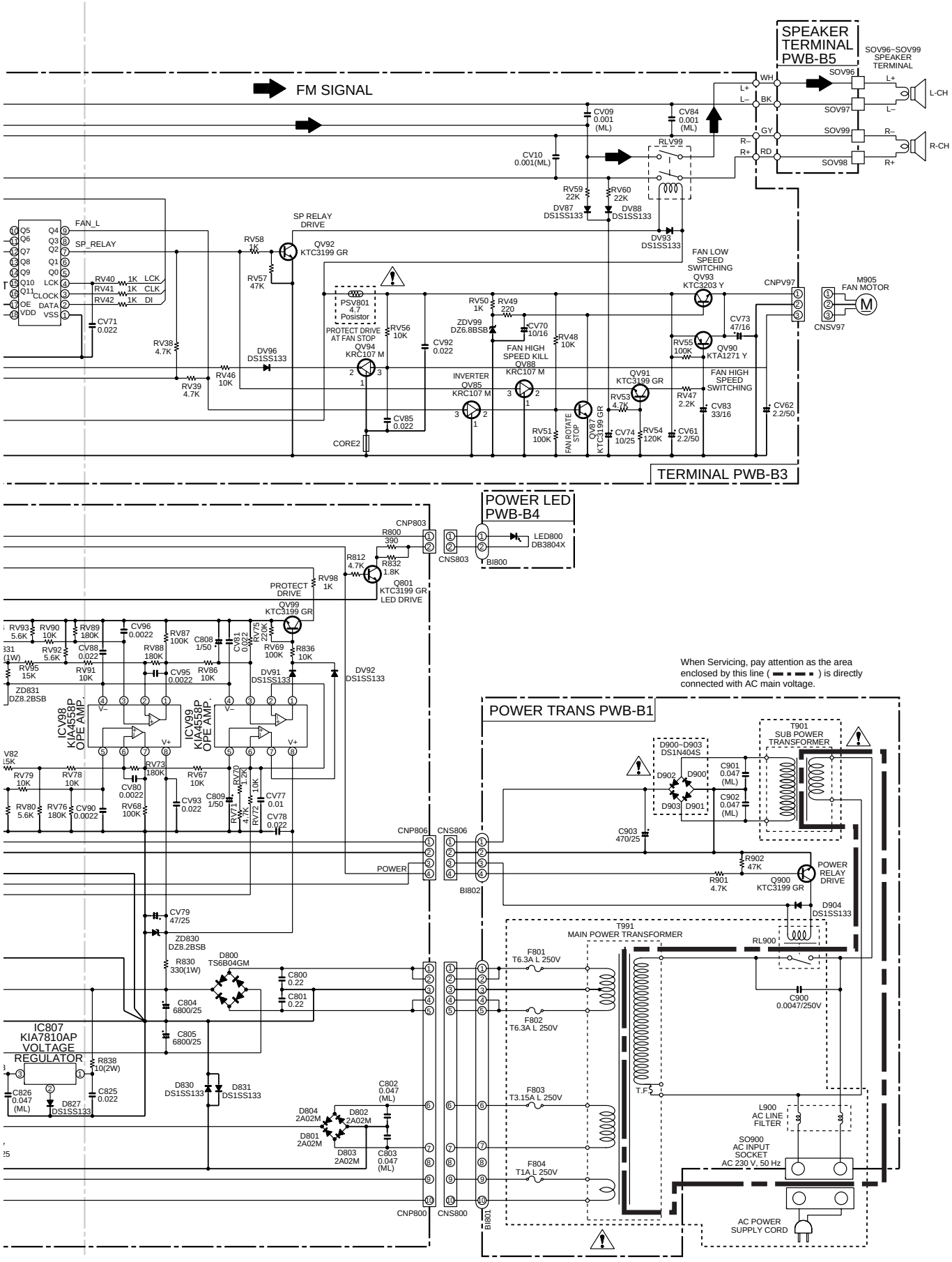
7	8	9	10	11	12

Figure 43 SCHEMATIC DIAGRAM (8/14)



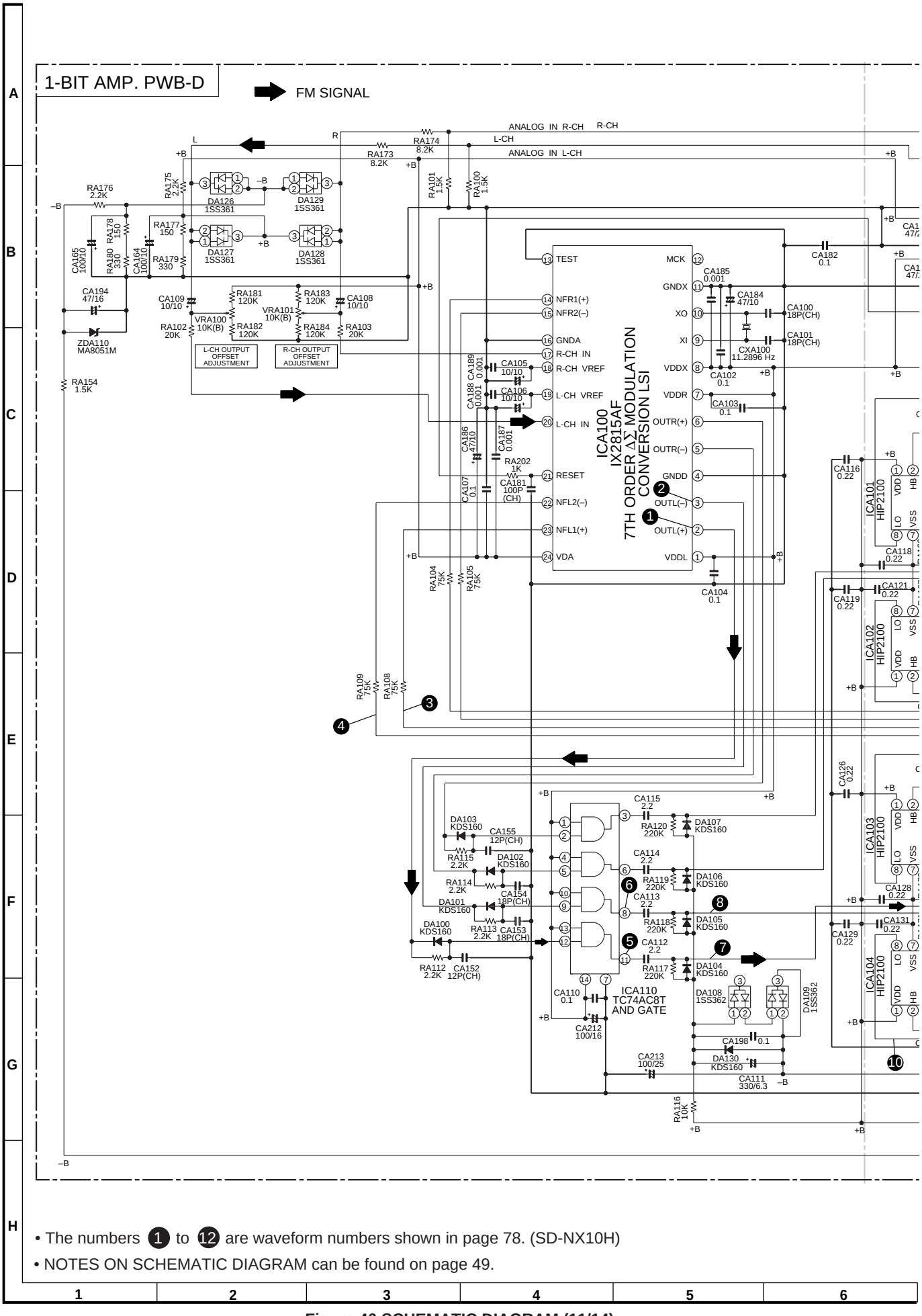
• NOTES ON SCHEMATIC DIAGRAM can be found on page 49.

Figure 44 SCHEMATIC DIAGRAM (9/14)



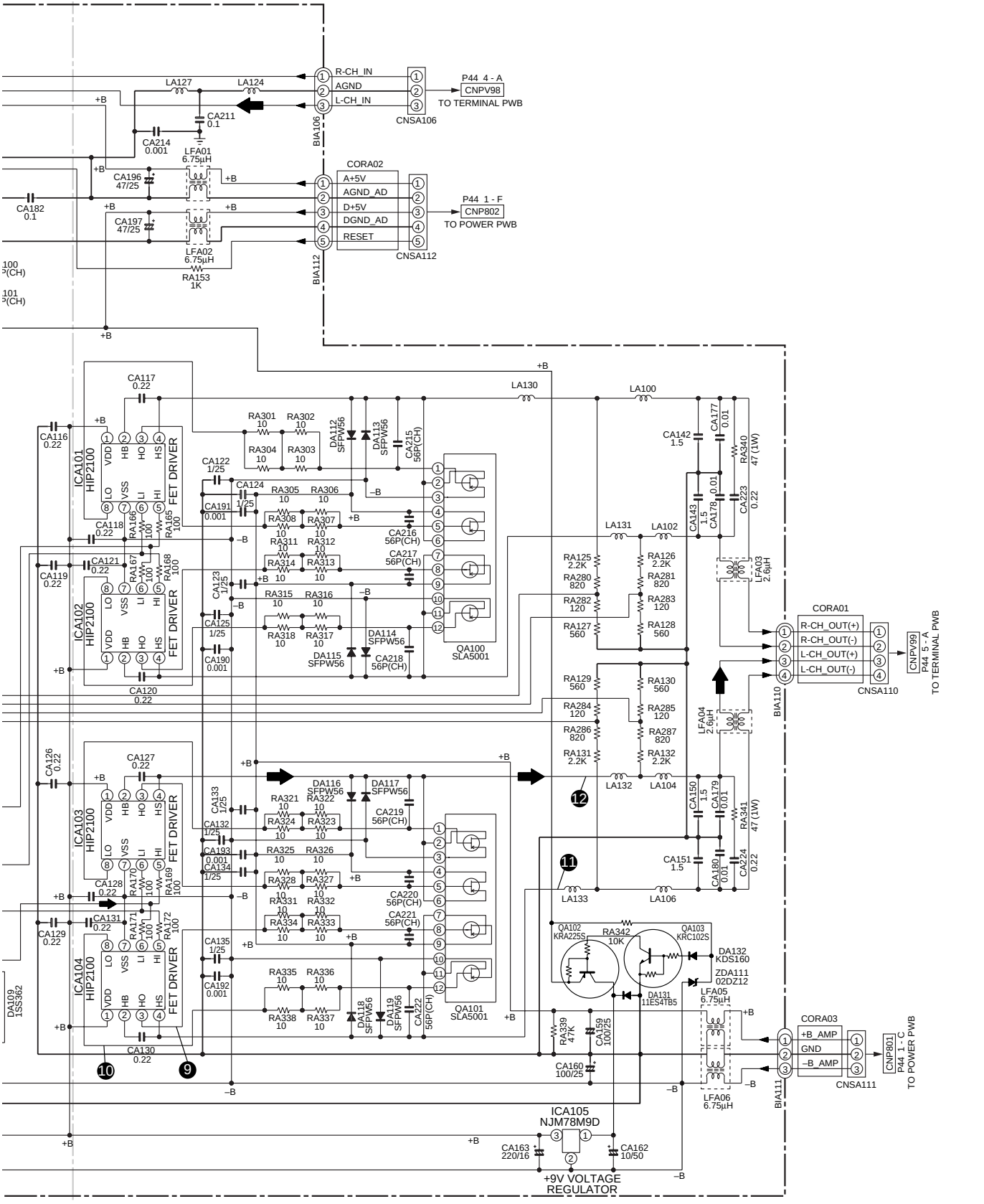
7	8	9	10	11	12

Figure 45 SCHEMATIC DIAGRAM (10/14)



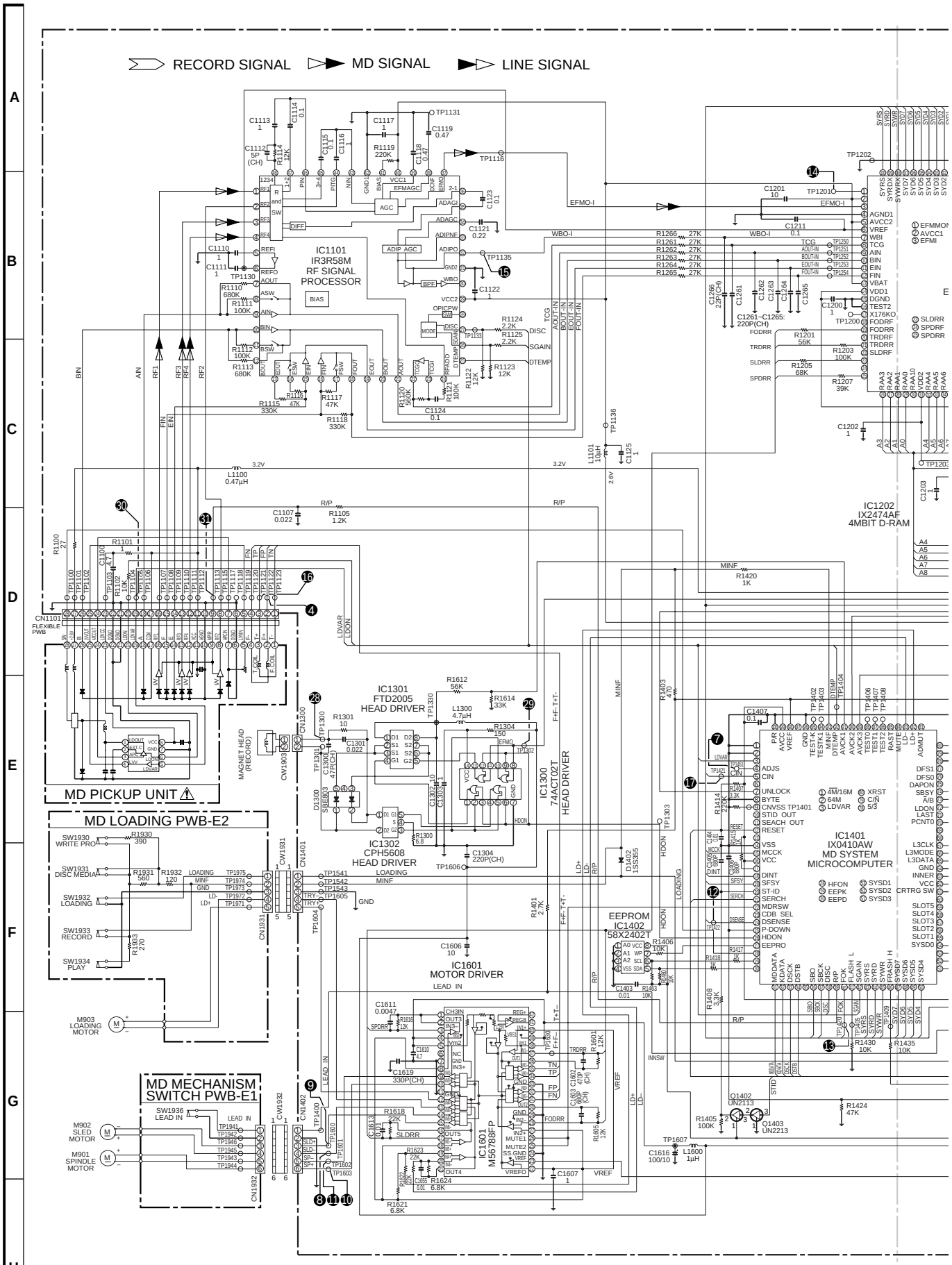
- The numbers ❶ to ⓬ are waveform numbers shown in page 78. (SD-NX10H)
- NOTES ON SCHEMATIC DIAGRAM can be found on page 49.

Figure 46 SCHEMATIC DIAGRAM (11/14)



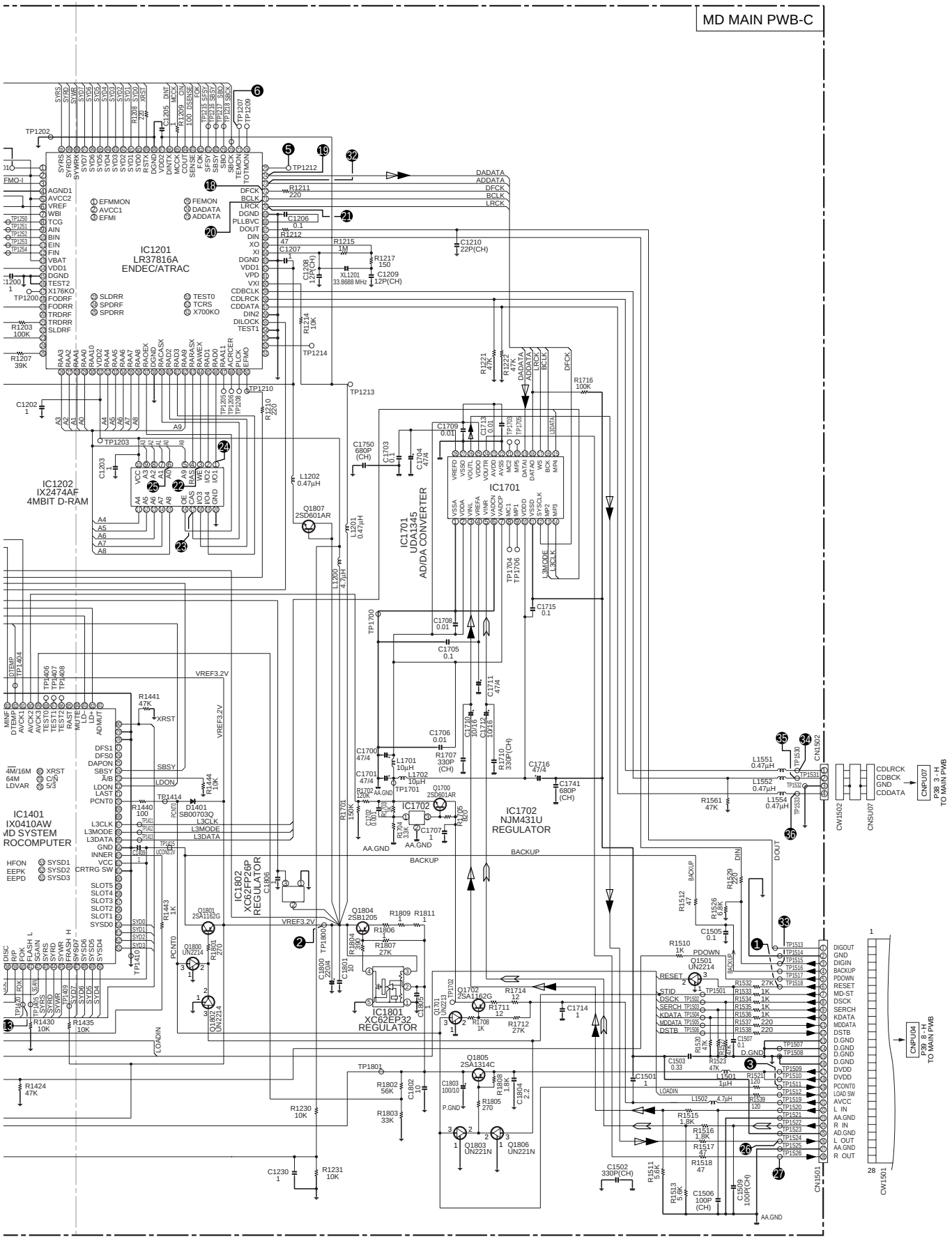
7	8	9	10	11	12

Figure 47 SCHEMATIC DIAGRAM (12/14)



- The numbers ❶ to ㊱ are waveform numbers shown in page 79, 80. (SD-NX10H)
- NOTES ON SCHEMATIC DIAGRAM can be found on page 49.

Figure 48 SCHEMATIC DIAGRAM (13/14)



7	8	9	10	11	12

Figure 49 SCHEMATIC DIAGRAM (14/14)

VOLTAGE

IC800

PIN NO.	VOLTAGE
1	5.4 V
2	–
3	10.8 V

IC801

PIN NO.	VOLTAGE
1	18.8 V
2	–
3	11.0 V

IC802

PIN NO.	VOLTAGE
1	18.8 V
2	–
3	8.0 V

IC804

PIN NO.	VOLTAGE
1	18.8 V
2	–
3	5.4 V

IC805

PIN NO.	VOLTAGE
1	5.0 V
2	–
3	15.0 V

IC806

PIN NO.	VOLTAGE
1	16.6 V
2	–
3	5.1 V

IC807

PIN NO.	VOLTAGE
1	18.2 V
2	–
3	10.4 V

ICD02

PIN NO.	VOLTAGE
1	0 V
2	4.87 V
3	4.87 V
4	4.88 V
5	5.05 V
6	4.97 V
7	0 V
8	0 V
9	0 V
10	0 V
11	0 V
12	0 V
13	4.09 V
14	4.9 V
15	0.02 V
16	0.02 V
17	0 V
18	5.08 V

ICD03

PIN NO.	VOLTAGE
1	0 V
2	4.89 V
3	4.89 V
4	4.42 V
5	10.81 V
6	9.86 V
7	9.92 V
8	10.7 V
9	10.09 V
10	10.72 V
11	10.69 V
12	0 V
13	0 V
14	0 V
15	0 V
16	10.71 V
17	0 V
18	5.0 V

ICE04

PIN NO.	VOLTAGE
1	0 V
2	4.8 V
3	0 V

ICV91

PIN NO.	VOLTAGE
1	0 V
2	4.9 V
3	4.9 V
4	4.9 V
5	–
6	–
7	1.4 V
8	–
9	3.5 V
10	–
11	1.5 V
12	5.0 V
13	–
14	–
15	–
16	–
17	0 V
18	5.6 V

ICV98

PIN NO.	VOLTAGE
1	1.3 V
2	–2.8 V
3	–2.8 V
4	–8.2 V
5	3.4 V
6	3.4 V
7	1.2 V
8	8.2 V

ICV99

PIN NO.	VOLTAGE
1	–7.0 V
2	1.8 V
3	0.21 V
4	–8.2 V
5	–0.13 V
6	1.8 V
7	–7.0 V
8	8.2 V

QU04

PIN NO.	VOLTAGE
1	GND
2	4.95 V
3	0 V

ICU02

PIN NO.	VOLTAGE
1	2.46 V
2	2.46 V
3	1.6 V
4	2.4 V
5	2.4 V
6	3.19 V
7	GND
8	0 V
9	0 V
10	0 V
11	0 V
12	0 V
13	0 V
14	3.21 V

ICU03

PIN NO.	VOLTAGE
1	0 V
2	8.6 V
3	1.2 V
4	0 V
5	0 V
6	8.6 V
7	0.1 V
8	2.42 V
9	0 V

ICU04

PIN NO.	VOLTAGE
1	0.1 V
2	0.1 V
3	3.19 V
4	4.46 V
5	0.1 V
6	3.19 V
7	GND
8	1.6 V
9	3.19 V
10	1.3 V
11	1.3 V
12	2.33 V
13	3.19 V
14	3.19 V

ICD01

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	4.96 V	51	–29.5 V
2	5 V	52	–29.5 V
3	5 V	53	–29.5 V
4	5 V	54	–29.5 V
5	4.9 V	55	–29.5 V
6	–27 mV	56	–29.5 V
7	5.0 V	57	–29.5 V
8	5.0 V	58	–29.5 V
9	4.7 V	59	–29.5 V
10	3.0 V	60	–29.5 V
11	0.68 V	61	–29.5 V
12	0.1 V	62	–29.5 V
13	0.12 V	63	–29.5 V
14	0.1 V	64	–0.5 V
15	0.1 V	65	–0.9 V
16	0.07 V	66	–0.5 V
17	0.01 V	67	–1.9 V
18	0 V	68	–29.2 V
19	0 V	69	–32.2 V
20	2.8 V	70	0 V
21	4.0 V	71	–38 V
22	0.1 V	72	–29.2 V
23	4.0 V	73	–29.2 V
24	0 V	74	–32.2 V
25	0 V	75	0 V
26	0 V	76	–0.5 V
27	0 V	77	–29.2 V
28	0 V	78	–0.9 V
29	0 V	79	–29.5 V
30	0 V	80	0 V
31	0 V	81	–0.5 V
32	4.95 V	82	–32.2 V
33	0.1 V	83	–26.5 V
34	0.1 V	84	–29.4 V
35	5 V	85	0.5 V
36	0 V	86	–0.5 V
37	4.9 V	87	–1.5 V
38	2.17 V	88	–29.5 V
39	2.19 V	89	–29.5 V
40	0 V	90	0.4 V
41	4.88 V	91	4.9 V
42	4.88 V	92	–26.8 V
43	0 V	93	–0.9 V
44	4.97 V	94	0 V
45	4.85 V	95	0 V
46	4.84 V	96	–0.9 V
47	0 V	97	–32.2 V
48	–29.5 V	98	–32.4 V
49	–29.3 V	99	0 V
50	–29.5 V	100	5 V

ICU05

PIN NO.	VOLTAGE
1	2.33 V
2	0 V
3	—
4	4.97 V
5	1.8 V
6	3.52 V
7	1.23 V
8	GND
9	0 V
10	4.9 V
11	0 V
12	0 V
13	0 V
14	0 V
15	0 V
16	0 V
17	—
18	—
19	—
20	—
21	2.50 V
22	2.49 V
23	0 V
24	—

ICU01

PIN NO.	VOLTAGE
1	4.88 V
2	0.02 V
3	0 V
4	4.27 V
5	4.27 V
6	4.25 V
7	4.25 V
8	4.25 V
9	4.25 V
10	4.25 V
11	4.25 V
12	4.25 V
13	4.25 V
14	4.25 V
15	4.25 V
16	4.25 V
17	4.25 V
18	4.25 V
19	4.25 V
20	4.26 V
21	4.27 V
22	4.26 V
23	8.52 V
24	4.88 V

CNPU05

PIN NO.	VOLTAGE
1	4.96 V(4.97 V)
2	4.97 V(4.97 V)
3	4.97 V(4.64 V)
4	0 V(0 V)
5	0 V(0 V)
6	0 V(0 V)
7	2.6 V(3.53 V)
8	12.2 V(12.2 V)
9	4.97 V(4.97 V)
10	1.1 V(1.3 V)
11	0 V(0.2 V)
12	4.91 V(4.89 V)
13	4.87 V(0 V)
14	4.87 V(0 V)
15	10.43 V(0 V)

( ):TUNER MODE

ICP01

PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	–11.5 V
5	0 V
6	0 V
7	0 V
8	11.8 V

IC1101

PIN NO.	VOLTAGE
1	0.7 V
2	0.7 V
3	0.7 V
4	0.7 V
5	1.3 V
6	1.3 V
7	1.3 V
8	1.3 V
9	1.3 V
10	1.3 V
11	1.3 V
12	1.3 V
13	1.3 V
14	1.3 V
15	1.3 V
16	1.3 V
17	1.3 V
18	1.3 V
19	1.3 V
20	1.3 V
21	1.3 V
22	1.3 V
23	1.3 V
24	0.7 V
25	1.5 V
26	LOW DISC:2.6 V HIGH DISC:0 V
27	PIT:2.6 V GROO VE:0 V
28	2.6 V
29	2.6 V
30	1.3 V
31	0 V
32	1.3 V
33	1.3 V
34	0 V
35	1.3 V
36	1.3 V
37	1.3 V
38	1.3 V
39	0 V
40	2.6 V
41	1.6 V
42	0 V
43	1.3 V
44	1.1 V
45	0.7 V
46	1.3 V
47	0.7 V
48	0 V

IC1202

PIN NO.	VOLTAGE
1	1.3 V
2	1.8 V
3	3.1 V
4	2.3 V
5	1.3 V
6	1.7 V
7	0.7 V
8	0.7 V
9	0.7 V
10	3.2 V
11	0.7 V
12	1.1 V
13	1.1 V
14	1.1 V
15	1.1 V
16	2.3 V
17	2.5 V
18	1.8 V
19	1.9 V
20	0 V

IC1250

PIN NO.	VOLTAGE
1	1 V
2	0 V
3	3.15 V
4	0 V
5	0 V
6	3.15 V
7	3.15 V
8	3.15 V

IC1251

PIN NO.	VOLTAGE
1	1 V
2	0 V
3	3.15 V
4	0 V
5	0 V
6	3.15 V
7	3.15 V
8	3.15 V

IC1201

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	1.3 V	51	1.6 V
2	2.6 V	52	0 V
3	1.3 V	53	0 V
4	0 V	54	0 V
5	2.6 V	55	3.2 V
6	1.3 V	56	0 V
7	1.3 V	57	0 V
8	1.3 V	58	0 V
9	1.3 V	59	0 V
10	1.3 V	60	3.2 V
11	1.3 V	61	0 V
12	1.3 V	62	2.5 V
13	2.6 V	63	0 V
14	2.6 V	64	1 V
15	0 V	65	1 V
16	0 V	66	1.6 V
17	1.6 V	67	1.6 V
18	1.6 V	68	0 V
19	1.6 V	69	0 V
20	1.6 V	70	1.6 V
21	1.6 V	71	1.6 V
22	1.6 V	72	1.6 V
23	1.6 V	73	0 V
24	1.6 V	74	0 V
25	1.6 V	75	1.6 V
26	0.7 V	76	1.6 V
27	0.7 V	77	1.6 V
28	0.7 V	78	0 V
29	1.7 V	79	3.2 V
30	1.3 V	80	3.2 V
31	3.2 V	81	3.2 V
32	0.7 V	82	3.2 V
33	1.1 V	83	0 V
34	1.1 V	84	0 V
35	1.1 V	85	1.6 V
36	1.1 V	86	3.2 V
37	2.3 V	87	3.2 V
38	0 V	88	0 V
39	2.5 V	89	3.2 V
40	1.8 V	90	0.2 V
41	1.9 V	91	0 V
42	1.3 V	92	0 V
43	2.3 V	93	0 V
44	3.1 V	94	0 V
45	1.8 V	95	0.1 V
46	1.3 V	96	0 V
47	1.3 V	97	0 V
48	3 V	98	3.2 V
49	2.6 V	99	3.2 V
50	1.4 V	100	0 V

IC1300

PIN NO.	VOLTAGE
1	(2.6 V)
2	(2.6 V)
3	(0.1 V)
4	(2.6 V)
5	(2.6 V)
6	(0.1 V)
7	(0 V)
8	(1.4 V)
9	(0.1 V)
10	(2.6 V)
11	(1.4 V)
12	(0.1 V)
13	(2.6 V)
14	(5 V)

IC1301

PIN NO.	VOLTAGE
1	(5 V)
2	(1.4 V)
3	(1.4 V)
4	(2.5 V)
5	(2.5 V)
6	(1.4 V)
7	(1.4 V)
8	(5 V)

IC1302

PIN NO.	VOLTAGE
1	(1.5 V)
2	(1.5 V)
3	(2.5 V)
4	(0 V)
5	(2.5 V)

( ):REC MODE

IC1402

PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	0 V
5	3.2 V
6	3.2 V
7	3.2 V
8	3.2 V

IC1701

PIN NO.	VOLTAGE
1	0 V
2	3.2 V
3	1.6 V
4	1.6 V
5	1.6 V
6	0 V
7	3.2 V
8	0 V
9	0 V
10	3.2 V
11	0 V
12	3.2 V
13	3.2 V
14	3.2 V
15	3.2 V
16	0 V
17	1.7 V
18	0 V
19	0 V
20	0 V
21	0 V
22	0 V
23	3.2 V
24	—
25	3.2 V
26	—
27	0 V
28	1.6 V

IC1401

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	0 V	51	0 V
2	0 V	52	0 V
3	0 V	53	0 V
4	0.4 V	54	0.2 V
5	0 V	55	0 V
6	0 V	56	0 V
7	3.2 V	57	0 V
8	0 V	58	0 V
9	0 V	59	0 V
10	0 V	60	0 V
11	0 V	61	0 V
12	3.2 V	62	3.2 V
13	1.5 V	63	3.2 V
14	0 V	64	0 V
15	1.6 V	65	3.2 V
16	3.2 V	66	3.2 V
17	3.2 V	67	3.2 V
18	3.2 V	68	0 V
19	3.2 V	69	0 V
20	0 V	70	3.1 V
21	0 V	71	0 V
22	3.2 V	72	0 V
23	0 V	73	0 V
24	0 V	74	3.2 V
25	2.9 V	75	3.2 V
26	3.2 V	76	0 V
27	3.2 V	77	0 V
28	0 V	78	0 V
29	3.2 V	79	0 V
30	3.2 V	80	3.2 V
31	1.5 V	81	0 V
32	0 V	82	0 V
33	2.6 V	83	0 V
34	0.8 V	84	3.2 V
35	3.2 V	85	0 V
36	3.2 V	86	3.2 V
37	0 V	87	3.2 V
38	PIT:3.2 V GROO VE:0 V	88	3.2 V
39	0 V	89	2 V
40	3.2 V	90	1.8 V
41	0 V	91	2.2 V
42	LOW DISC:3.2 V HIGH DISC:0 V	92	1.5 V
43	0 V	93	0.7 V
44	3.2 V	94	0 V
45	3.2 V	95	0 V
46	3.2 V	96	0 V
47	0 V	97	0 V
48	0 V	98	3.2 V
49	0.1 V	99	3.2 V
50	0 V	100	0 V

IC1601

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	1.6 V	22	1.6 V
2	1.6 V	23	1.6 V
3	1.6 V	24	0 V
4	5 V	25	3.2 V
5	5 V	26	3.2 V
6	0 V	27	1.6 V
7	0 V	28	1.6 V
8	1.6 V	29	0 V
9	2.5 V	30	1.6 V
10	2.5 V	31	2.5 V
11	0 V	32	2.5 V
12	2.5 V	33	0 V
13	2.5 V	34	2.5 V
14	2.4 V	35	2.5 V
15	2.5 V	36	1.6 V
16	1.6 V	37	1.6 V
17	1.6 V	38	5 V
18	1.6 V	39	5 V
19	1.2 V	40	1.6 V
20	1.2 V	41	5 V
21	1.6 V	42	0.9 V

IC1702

PIN NO.	VOLTAGE
1	2.46 V
2	0 V
3	3.85 V

IC1801

PIN NO.	VOLTAGE
1	0 V
2	5 V
3	3.2 V
4	3.1 V
5	0 V

IC1802

PIN NO.	VOLTAGE
1	0 V
2	2.6 V
3	3.2 V

ICT21

PIN NO.	VOLTAGE
1	2.5V
2	2.5V
3	5.0V
4	0V
5	2.5V
6	2.5V
7	0V
8	0.7V
9	0V
10	0V
11	0V
12	2.6V
13	2.6V
14	5.0V
15	0V
16	0V
17	0V
18	0V
19	0V
20	4.8V
21	0V
22	0V
23	0V
24	0V

FUNCTION TABLE OF IC

ICD01 RH-iX0439AWZZ: System Microcomputer (IX0439AW) (1/2)

Pin No.	Terminal Name	Port Name	Input/Output	Remarks
1	P77/AN7	SD_ST_IN	Input (A/D Input)	Tuner tuning and stereo receiver signal detection. Not tuned: "H", SD input: "M", ST: "L"
2	P76/AN6	KEY1	Input (A/D Input)	A/D KEY input 1.
3	P75/AN5	KEY2	Input (A/D Input)	A/D KEY input 2.
4	P74/AN4	KEY3	Input (A/D Input)	A/D KEY input 3.
5	P73/AN3	P-DWN	Output	Vref voltage cut when detecting the power failure at SYS-STOP. "H"= Normal state, "L"= Power failure
6	P72/AN2	TUNER_SM	Input (A/D Input)	Tuning level detection. Output: "L"
7	P71/AN1	PROTECT	Input (A/D Input)	Ignored for 500 msec after detecting error and turning on the power. Power is turned off when the input voltage is 2.5 V or below.
8	P70/AN0	SPAN	Input (A/D Input)	Input: "L"
9	PB3	POWER	Output	Control of connection to or disconnection of the primary side power supply. "H"= Connection, "L"= Disconnection
10	PB2/DA	H.P_SW	Input	Switch for the headphones connection detection. "H"= Headphones, "L"= Speaker
11	P57/$\overline{\text{SRDY3}}$/AN15	MD_DISC_IN	Input (A/D Input)	Detects the MD disc at the exit section inside the lid. 3.76 V or below= Exists at the exit. Over 3.76 V= Not exist at the exit.
12	P56/SCLK3/AN14	CD_SENS_A	Input	Clarion mechanism disc optical sensor A. "H"= Shut out by the disc, "L"= Not shut out
13	P55/SOUT3/AN13	CD_SENS_B	Input	Clarion mechanism disc optical sensor B. "H"= Shut out by the disc, "L"= Not shut out
14	P54/SIN3/AN12	CD_SENS_C	Input	Clarion mechanism disc optical sensor C. "H"= Shut out by the disc, "L"= Not shut out
15	P53/$\overline{\text{SRDY2}}$/AN11	MD_LOAD_SW	Input	MD LOAD SW detection. "L" → "H"= DISC IN
16	P52/SCLK2/AN10	MD_ST	Output	1. Beginning of the CD track: 20 Ms. "H" output. 2. MD ON (RESET): 100 mS. "H" output.
17	P51/SOUT2/AN9	MD_SERACH	Output	CD play: "L" (including CUEW/REVIW) Others: "H"
18	P50/SIN2/AN8	MD_RESET	Output	MD RESET output.
19	P67/$\overline{\text{SRDY1}}$/$\overline{\text{CS}}$/SCLK12	MD_D_STB	Input	MD strobe input.
20	P66/SCLK11	MD_D_SCK	Output	MD clock output.
21	P65/SOUT1	MD_KDATA	Output	MD KEY data.
22	P64/SIN1	MD_DATA	Input	MD data input.
23	P63/CNTR1	CD_BUS3	Input/Output	Data input/output terminal for CD interface 3. "L" output fixed except CD function
24	P62/CNTR0	CD_BUS2	Input/Output	Data input/output terminal for CD interface 2. "L" output fixed except CD function
25	P61/PWM	CD_BUS1	Input/Output	Data input/output terminal for CD interface 1. "L" output fixed except CD function
26	P60	CD_BUS0	Input/Output	Data input/output terminal for CD interface 0. "L" output fixed except CD function
27	P47/T3OUT	CD_BUCK	Output	Clock output terminal for CD interface. "L" output fixed except CD function
28	P46/T1OUT	CD_CCE	Output	Chip enable output terminal for CD interface. "L" output fixed except CD function
29	P45/INT1/ZCR	CD_CHK_SW	Input	Clarion mechanism disc chucking detection SW. "L"= Non-chucking, "H"= Chucking completed
30	P44/INT4	AUX+B	Output	AUX DIGITAL: "L", OTHERS: "H"
31	P43/INT3	IC_CLK	Output	External control IC related clock. SANYO C bus, input/output expander.
32	P42/INT2	REMOCON_IN	Input	Remote control input.
33	P41	IC_DI	Output	External control IC related DATA output. SANYO C bus, input/output expander.
34	P40/INT0	SYS_STOP	Input	Microcomputer backup detection. "H"= Normal state. "H" → "L": Power failure detection
35	$\overline{\text{RESET}}$	RESET	Input	Microcomputer reset terminal. "L" → "H": Microcomputer reset

ICD01 RH-iX0439AWZZ: System Microcomputer (IX0439AW) (2/2)

Pin No.	Terminal Name	Port Name	Input/Output	Remarks
36	PB1/XCIN	IC_CE	Output	External control IC related chip enable output.SANYO CCB bus
37	PB0/XCOUT	IC_DO	Input	External control IC related DATA output.SANYO CCB bus
38	XIN	X_IN	Input	Reference oscillation input. 8.3886 MHz crystal connection
39	XOUT	X_OUT	Output	Reference oscillation output. 8.3886 MHz crystal connection
40	VSS	VSS	—	Connected to GND.
41	P27	IC_LCK2	Output	External control IC related latch clock output. For input/output expander No.2
42	P26	TU_MUTE	Output	Tuner MUTE output. "H"= MUTE, "L"= No MUTE
43	P25	DR_OP_IN	Input	CD/MD door OPEN detection switch. "H"= Except "L", "L"= CD/MD door OPEN is completed.
44	P24	DR_CL_IN	Input	CD/MD door CLOSE detection switch. "H"= Except "L", "L"= CD/MD door OPEN is completed.
45	P23/DIG19	IC_LCK1	Output	External control IC related latch clock output. For input/output expander No. 1.
46	P22/DIG18	CD_RESET	Output	CD RESET output. "H"= Except CD function. "H" → "L": Reset operation
47	P21/DIG17	TIMER_LED	Output	Timer stand-by LED output. ON: "H", OFF: "L"
48	P20/DIG16	DIG1	Output	Digit output for FL No. 1
49-56	P17/DIG15-P10/DIG08	DIG2-DIG9	Output	Digit output for FL No. 2 ~ No. 9
57-60	P07/DIG07-P04/DIG04	DIG10-DIG13	Output	Digit output for FL No. 10 ~ No. 13
61-64	P03/SEG35-P00/SEG32	SEG36-SEG33	Output	Segment output for FL No. 36 ~ No. 33
65-72	P37/SEG31-P30/SEG24	SEG32-SEG25	Output	Segment output for FL No. 32 ~ No. 25
73-80	P97/SEG23-P90/SEG16	SEG24-SEG17	Output	Segment output for FL No. 24 ~ No. 17
81-88	P87/SEG15-P80/SEG08	SEG16-SEG9	Output	Segment output for FL No. 16 ~ No. 9
89,90	PA7/SEG07,PA6/SEG06	SEG8,SEG7	Output	Segment output for FL No. 8, No. 7
91	VCC	VCC	5 V Input	Power supply (+5 V).
92-97	PA5/SEG05-PA0/SEG00	SEG6-SEG1	Output	Segment output for FL No. 6 ~ No. 1
98	VEE	VEE	Power Input	Pull-down power supply for FL
99	AVSS	AVSS	—	A/D conversion section reference GND.
100	VREF	VREF	5 V Input	A/D conversion section reference power supply input (+5 V).

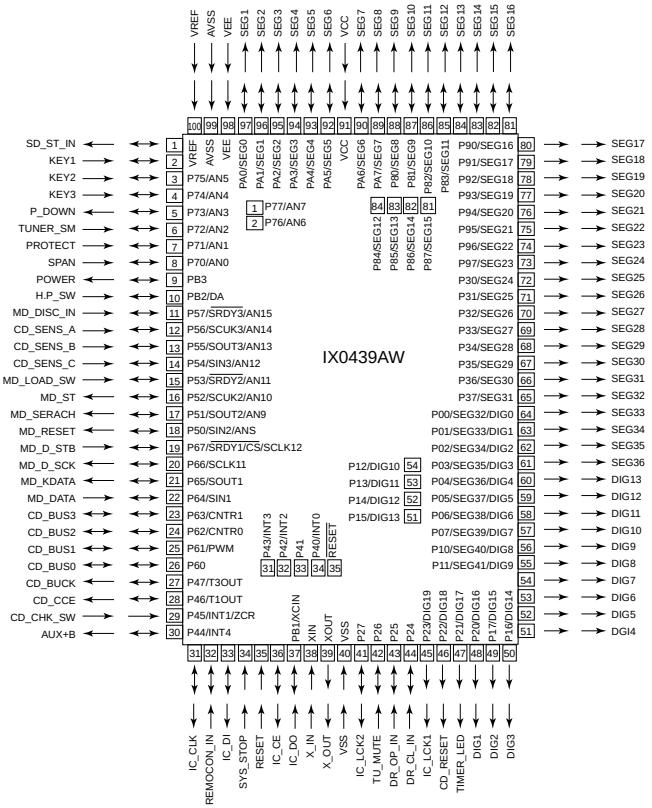


Figure 52 BLOCK DIAGRAM OF IC

SHARP PARTS GUIDE

1-BIT DIGITAL AUDIO COMPONENT

MODEL SD-SG11H

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

VCC ..... Ceramic type
VCK..... Ceramic type
VCT..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN..... Cylindrical type (without lead wire)
VC • • TV..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (without lead wire)
VC • • CZ ..... Square type (without lead wire)
VC • • • • • • • • • J .. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD ..... Carbon-film type
VRS..... Carbon-film type
VRN ..... Metal-film type
VR • • MF ..... Cylindrical type (without lead wire)
VR • • MN..... Cylindrical type (without lead wire)
VR • • TV..... Square type (without lead wire)
VR • • TQ ..... Square type (without lead wire)
VR • • CY ..... Square type (without lead wire)
VR • • CZ ..... Square type (without lead wire)
VR • • • • • • • • • J .. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

NOTE:
Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

SD-SG11H

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
INTEGRATED CIRCUITS				
IC601	VHIKIA7812AP1	J	AF	Voltage Regulator,KIA7812AP
IC602	VHIKIA7805AP1	J	AF	Voltage Regulator,KIA7805AP
IC650	VHPTORX178A-1	J	AQ	Digital In,TORX178A
IC800	VHIAN78L05/-1	J	AE	Voltage Regulator,AN78L05
IC801	VHIKIA7810AP1	J	AF	Voltage Regulator,KIA7810AP
IC802	VHIKIA7808AP1	J	AF	Voltage Regulator,KIA7808AP
IC804	VHIKIA7805AP1	J	AF	Voltage Regulator,KIA7805AP
IC805	VHIAN78L05/-1	J	AE	Voltage Regulator,AN78L05
IC806	VHIKIA7805AP1	J	AF	Voltage Regulator,KIA7805AP
IC807	VHIKIA7810AP1	J	AF	Voltage Regulator,KIA7810AP
IC1101	VHIIR3R58M/-1	J	AM	RF Signal Processor,IR3R58M
IC1201	VHILR37816A-1	J	BQ	Endec/Atrac,LR37816A
IC1202	RH-IX2474AFZZ	J	BF	4Mbit D-RAM,IX2474AF
IC1300	VHI74ACT02T-1	J	AE	Head Driver,74ACT02T
IC1301	VHIFTD2005/-1	J	AG	Head Driver,FTD2005
IC1302	VHICPH5608/-1	J	AH	Head Driver,CPH5608
IC1401	RH-IX0410AWZZ	J	AY	MD System Microcomputer, IX0410AW
IC1402	VHI58X2402T-1	J	AF	EEPROM,58X2402T
IC1601	VHIM56788FP-1	J	AX	Motor Driver,M56788FP
IC1701	VHIUDA1345/-1	J	AU	AD/DA Converter,UDA1345
IC1702	VHINJM431U/-1	J	AE	Regulator,NJM431U
IC1801	VHIXC62EP32-1	J	AE	Regulator,XC62EP32
IC1802	VHIXC62FP26P1	J	AG	Regulator,XC62FP26P
ICA100	RH-IX2815AFZZ	J	AV	7th Order ⊿Σ Modulation Conversion LSI,IX2815AF
ICA101~104	VHIHIP2100/-1	J	AQ	FET Driver,HIP2100
ICA105	VHINJM78M9D-1	J	AG	+9V Voltage Regulator, NJM78M9D
ICA110	VHITC74AC8T-1	J	AH	AND Gate,TC74AC8T
ICD01	RH-IX0439AWZZ	J	AY	System Microcomputer, IX0439AW
ICD02,03	VHIBU2092F/-1	J	AM	Input/Output Expander,BU2092F
ICE04	VHIPST9140/-1	J	AG	Reset,PST9140
ICP01	VHINJM4580M-1	J	AE	Ope Amp.,NJM4580M
ICT21	VHILC72722/-1	J	AY	RDS Decorder,LC72722
ICU01	VHILC75341M-1	J	AM	Audio Processor,LC75341M
ICU02	VHI74VHC00F-1	J	AE	Invertor,74VHC00F
ICU03	VHITA7291S/-1	J	AH	Loading Motor Driver,TA7291S
ICU04	VHI74VHC08F-1	J	AE	Invertor,74VHC08F
ICU05	VHILC89051V-1	J	AX	Digital Audio Interface,LC89051
ICV91	VHIBU2092F/-1	J	AM	Input/Output Expander,BU2092F
ICV98,99	VHIKIA4558P-1	J	AC	Ope Amp.,KIA4558P
TRANSISTORS				
Q601	VSKTA1023Y/-1	J	AE	Silicon,PNP,KTA1023 Y
Q602	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
Q603	VSKTA1273Y/-1	J	AE	Silicon,PNP,KTA1273 Y
Q605	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q606	VSKRA107M//-1	J	AE	Digital,PNP,KRA107 M
Q801	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q803	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q900	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q1402	VSUN2113///-1	J	AB	Digital,PNP,UN2113
Q1403	VSUN2213///-1	J	AB	Digital,NPN,UN2213
Q1501	VSUN2214///-1	J	AB	Digital,NPN,UN2214
Q1700	VS2SD601AR/-1	J	AC	Silicon,NPN,2SD601 AR
Q1701	VSUN2213///-1	J	AB	Digital,NPN,UN2213
Q1702	VS2SA1162G/-1	J	AB	Silicon,PNP,2SA1162 G
Q1800	VSUN2214///-1	J	AB	Digital,NPN,UN2214
Q1801	VS2SA1162G/-1	J	AB	Silicon,PNP,2SA1162 G
Q1802	VSUN2214///-1	J	AB	Digital,NPN,UN2214
Q1803	VSUN221N///-1	J	AB	Digital,NPN,UN221 N
Q1804	VS2SB1205++-1	J	AF	Silicon,PNP,2SB1205
Q1805	VS2SA1314C/-1	J	AD	Silicon,PNP,2SA1314 C
Q1806	VSUN221N///-1	J	AB	Digital,NPN,UN221 N
Q1807	VS2SD601AR/-1	J	AC	Silicon,NPN,2SD601 AR
QA100,101	VSSLA5001++-1	J	AT	Power FET×4,SLA5001
QA102	VSKRA225S++-1	J	AD	Digital,PNP,KRA225 S
QA103	VSKRC102S//-1	J	AB	Digital,NPN,KRC102 S
QD01	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
QD03~05	VSKRA107M//-1	J	AE	Digital,PNP,KRA107 M
QD06	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
QD07	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
QD08	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
QD09,10	VSKRA107M//-1	J	AE	Digital,PNP,KRA107 M
QD11	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
QD12	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
QD13	VSKRA106M++-1	J		Digital,PNP,KRA106 M
QE01	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
QP01,02	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
QP03,04	VS2SC2878B/-1	J	AC	Silicon,NPN,2SC2878 B
QP05	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
QP06	VSKRA107M//-1	J	AE	Digital,PNP,KRA107 M
QP07,08	VS2SC2878B/-1	J	AC	Silicon,NPN,2SC2878 B
QP09	VSKRA107M//-1	J	AE	Digital,PNP,KRA107 M
QP11,12	VS2SK1725++-1	J	AK	FET,2SK1725
QU04	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
QV85	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
QV87	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
QV88	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
QV90	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
QV91,92	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
QV93	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
QV94	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
QV95~99	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
DIODES				
D601~609	VHDDS1N404S-1	J	AB	Silicon,DS1N404S
D610~612	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D614~620	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D650,651	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D800	VHDTS6B04GM-1	J	AP	Silicon,TS6B04GM
D801~804	VHD2A02M+++-X	J	AC	Silicon,2A02M
D809	VHDDS1N404S-1	J	AB	Silicon,DS1N404S
D810	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D811,812	VHDDS1N404S-1	J	AB	Silicon,DS1N404S
D813~817	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D820~824	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D827	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D828	VHDDS1N404S-1	J	AB	Silicon,DS1N404S
D829~831	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
⚠ D900~903	VHDDS1N404S-1	J	AB	Silicon,DS1N404S
D904	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D1300	VHDSBE803//-1	J	AD	Silicon,SBE803
D1401	VHDSB00703Q-1	J	AB	Silicon,SB00703Q
D1402	VHD1SS355//-1	J	AB	Silicon,1SS355
DA100~107	VHDKDS160//-1	J	AB	Silicon,KDS160
DA108,109	VHD1SS362++-1	J	AD	Silicon,1SS362
DA112~119	VHDSFPW56++-1	J	AE	Silicon,SFPW56
DA126~129	VHD1SS361//-1	J	AB	Silicon,1SS361
DA130	VHDKDS160//-1	J	AB	Silicon,KDS160
DA131	VHD11ES4TB5-1	J	AA	Silicon,11ES4TB5
DA132	VHDKDS160//-1	J	AB	Silicon,KDS160
DD01~07	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
DE01	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
DP01,02	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
DP03,04	VHD11ES1///-1	J	AB	Silicon,11ES1
DP07,08	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
DT31	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
DU01	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
DU03	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
DV86~93	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
DV96	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
LED800	VHPDB3804X+-1	J	AU	LED,Blue,DB3804X
LEDD01	RUNTK3503AWS1	J	AZ	Three Colors LED,STM515AS
LEDD02	VHP2647RT49-1	J	AD	LED,Red,2647RT49
LEDD03	VHP4204UGT9++	J		LED,Green,4204UGT9
LEDD04	VHPLNG901CF-1	J	AS	LED,Blue,LNG901CF
LEDD05,06	VHP4204UYT9-1	J	AD	LED,Yellow,4204UYT9
LEDD13	RUNTK3503AWS1	J	AZ	Three Colors LED,STM515AS
LEDD14	VHP4204UYT9-1	J	AD	LED,Yellow,4204UYT9
LEDD15	VHPDB3804X+-1	J	AU	LED,Blue,DB3804X
ZD601	VHEDZ330BSD-1	J	AC	Zener,33V,DZ330D
ZD602	VHEDZ5R1BSB-1	J	AC	Zener,5.1V,DZ5.1BSB
ZD603	VHEDZ130BSC-1	J	AB	Zener,13V,DZ13BSC
ZD604	VHEDZ6R2BSB-1	J	AC	Zener,6.2V,DZ6.2B
ZD801	VHEDZ5R1BSA-1	J	AB	Zener,5.1V,DZ5.1BSA
ZD830,831	VHEDZ8R2BSB-1	J	AB	Zener,8.2V,DZ8.2BSB
ZDA110	VHEMA8051M/-1	J	AC	Zener,5.1V,MA8051M
ZDA111	VHE02DZ120+-1	J	AC	Zener,12V,02DZ12
ZDU01,02	VHEDZ3R3BSA-1	J	AB	Zener,3.3V,DZ3.3BSA
ZDU03	VHEDZ100BSB-1	J	AB	Zener,10V,DZ10BSB
ZDV99	VHEDZ6R8BSB-1	J	AB	Zener,6.8V,DZ6.8BSB
TRANSFORMERS				
⚠ T601	RTRNP0336AWZZ	J	AN	Power
⚠ T901	RTRNP0287AWZZ	J	AM	Power,Sub
⚠ T991	RTRNP0338AWZZ	J	BB	Power,Main

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
COILS				
L651	VP-XH2R2K0000	J	AB	2.2 µH,Choke
⚠ L900	RCILZ0021AWZZ	J	AF	AC Line Filter
L1100	VPBNNR47K0000	J	AC	0.47 µH
L1101	VPBNN100K0000	J	AC	10 µH
L1200	VPBNN4R7K0000	J	AC	4.7 µH
L1201,1202	VPBNNR47K0000	J	AC	0.47 µH
L1300	RCILC0358AFZZ	J	AC	4.7 µH,Choke
L1501	RCILZ0016AWZZ	J	AD	1 µH
L1502	VPBNN4R7K0000	J	AC	4.7 µH
L1551,1552	VPBNNR47K0000	J	AC	0.47 µH
L1554	VPBNNR47K0000	J	AC	0.47 µH
L1600	RCILZ0016AWZZ	J	AD	1 µH
L1701,1702	VPBNN100K0000	J	AC	10 µH
LA100	RCILZ0036AWZZ	J	AM	Coil
LA102	RCILZ0036AWZZ	J	AM	Coil
LA104	RCILZ0036AWZZ	J	AM	Coil
LA106	RCILZ0036AWZZ	J	AM	Coil
LA124	92LBEAD1782BT	J	AC	Ferrite Core,120 ohms/100 MHz
LA127	RCORF0020AWZZ	J	AD	Core,Ferrite Core
LA130~133	RCORF0019AWZZ	J	AD	Core,Ferrite Core
LD02,03	VP-DH2R2K0000	J	AB	2.2 µH,Peaking
LFA01,02	RCILZ0030AWZZ	J	AK	Coil,6.75 µH
LFA03,04	RCILZ0029AWZZ	J	AK	Coil,2.6 µH
LFA05,06	RCILZ0030AWZZ	J	AK	Coil,6.75 µH
LP01	VP-XH2R2K0000	J	AB	2.2 µH,Choke
LT21,22	VP-XH2R2K0000	J	AB	2.2 µH,Choke
LU01	VP-XH2R2K0000	J	AB	2.2 µH,Choke
VARIABLE RESISTORS				
VRA100	RVR-M0026AWZZ	J	AC	10 kohm (B),Semi-VR [L-CH Output Offset Adjustment]
VRA101	RVR-M0026AWZZ	J	AC	10 kohm (B),Semi-VR [R-CH Output Offset Adjustment]
VIBRATORS				
CXA100	RCRSP0021AWZZ	J	AG	Crystal,11.2896 Hz
XL1201	RCRSC0001AWZZ	J	AL	Crystal,33.8688 MHz
XLD01	RCRSP0009AWZZ	J	AK	Crystal,8.3886 MHz
XT21	RCRSP0010AWZZ	J	AH	Crystal,4.332 MHz
THERMISTOR				
⚠ PSV801	RH-QX0006AWZZ	J	AE	Posistor,4.7 ohms
CAPACITORS				
C601,602	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C603	VCEAZV1EW228M	J	AG	2200 µF,25V,Electrolytic
C604	VCEAZV1EW108M	J	AE	1000 µF,25V,Electrolytic
C605	VCEAZV1HW477M	J	AE	470 µF,50V,Electrolytic
C606,607	VCEAZA1HW107M	J	AC	100 µF,50V,Electrolytic
C608	VCEAZA1JW476M	J	AC	47 µF,63V,Electrolytic
C609,610	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C611	VCEAZA1VW107M	J	AC	100 µF,35V,Electrolytic
C612	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C613	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C614	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C615	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C616	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C617,618	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C619	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C620	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C621	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C622	VCTYBT1EF223Z	J	AA	0.022 µF,25V
C630	VCKYBT1HB102K	J	AA	0.001 µF,50V
C631	VCTYBT1HB331K	J		330 pF,50V
C650	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C651	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C652,653	VCKYBT1HB102K	J	AA	0.001 µF,50V
C654	VCEAEA1HW474M	J	AB	0.47 µF,50V,Electrolytic
C655~657	VCKYBT1HB102K	J	AA	0.001 µF,50V
C658	VCTYMN1HB102K	J	AA	0.001 µF,50V
C659	VCKYBT1HB102K	J	AA	0.001 µF,50V
C660	VCKYBT1HB221K	J	AA	220 pF,50V
C800,801	VCFYDA1HA224J	J	AB	0.22 µF,50V,Thin Film
C802,803	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C804,805	RC-EZ0049AWZZ	J	AP	6800 µF,25V,Electrolytic
C806	VCTYBT1CY103M	J	AA	0.01 µF,16V
C807	VCEAZW1EW478M	J	AK	4700 µF,25V,Electrolytic
C808,809	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C815	RC-EZD105AF1H	J	AB	1 µF,50V,Electrolytic
C816	VCTYBT1EF223Z	J	AA	0.022 µF,25V
C817	VCFYHA1HA473J	J	AB	0.047 µF,50V,Thin Film
C818	VCEAZA0JW108M	J	AC	1000 µF,6.3V,Electrolytic
C819	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C820	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C821	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C822	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C823	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C824	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C825	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C826	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C830	VCTYBT1EF223Z	J	AA	0.022 µF,25V
C831	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C832	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C833	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C834	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C835	VCTYBT1EF223Z	J	AA	0.022 µF,25V
C836	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C837	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C838	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C839	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C840	VCEAZV1EW228M	J	AG	2200 µF,25V,Electrolytic
C845	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C900	RC-KZ001LAWZZ	J	AB	0.0047 µF,250VAC,Ceramic
C901,902	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C903	VCEAZA1EW477M	J	AD	470 µF,25V,Electrolytic
C1100	RC-KZ0003AWZZ	J	AE	4.7 µF,10V
C1107	VCKYCY1CB223K	J	AA	0.022 µF,16V
C1110,1111	VCKYTV1CF105Z	J	AB	1 µF,16V
C1112	VCCCCY1HH5R0C	J	AA	5 pF (CH),50V
C1113	VCKYTV0JB105K	J	AD	1 µF,6.3V
C1114,1115	VCKYCY1CB104K	J	AB	0.1 µF,16V
C1116	VCKYTV0JB105K	J	AD	1 µF,6.3V
C1117	VCKYTV1CF105Z	J	AB	1 µF,16V
C1118,1119	VCKYTV1CB474K	J	AC	0.47 µF,16V
C1121	VCKYTV1CB224K	J	AB	0.22 µF,16V
C1122	VCKYTV1CF105Z	J	AB	1 µF,16V
C1123	VCKYCY1CB104K	J	AB	0.1 µF,16V
C1124	VCKYTV1CB104K	J	AA	0.1 µF,16V
C1125	VCKYTV1CF105Z	J	AB	1 µF,16V
C1200	VCKYTV1CF105Z	J	AB	1 µF,16V
C1201	RC-KZ0002AWZZ	J	AE	10 µF,10V
C1202,1203	VCKYTV1CF105Z	J	AB	1 µF,16V
C1205	VCKYTV1CF105Z	J	AB	1 µF,16V
C1206	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C1207	VCKYTV1CF105Z	J	AB	1 µF,16V
C1208,1209	VCCCCY1HH120J	J	AA	12 pF (CH),50V
C1210	VCCCCY1HH220J	J	AA	22 pF (CH),50V
C1211	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C1230	VCKYTV1CF105Z	J	AB	1 µF,16V
C1250	VCKYCY1AF105Z	J	AB	1 µF,10V
C1261~1265	VCCCCY1HH221J	J	AA	220 pF (CH),50V
C1266	VCCCCY1HH220J	J	AA	22 pF (CH),50V
C1300	VCCCTV1HH470J	J	AA	47 pF (CH),50V
C1301	VCKYCY1CB223K	J	AA	0.022 µF,16V
C1302	RC-KZ0002AWZZ	J	AE	10 µF,10V
C1303	VCKYTV1CF105Z	J	AB	1 µF,16V
C1304	VCCCTV1HH221J	J	AA	220 pF (CH),50V
C1403,1404	VCKYCY1HF103Z	J	AB	0.01 µF,50V
C1405,1406	VCKYCY1HB681K	J	AA	680 pF,50V
C1407	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C1409	VCKYTV1CF105Z	J	AB	1 µF,16V
C1501	VCKYTV1CF105Z	J	AB	1 µF,16V
C1502	VCCCTV1HH331J	J	AA	330 pF (CH),50V
C1503	VCKYTQ1CB334K	J	AC	0.33 µF,16V
C1505	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C1506	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C1507	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C1509	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C1602	VCCCCY1HH471J	J	AA	470 pF (CH),50V
C1603	VCCCCY1HH681J	J	AC	680 pF (CH),50V
C1606	RC-KZ0002AWZZ	J	AE	10 µF,10V
C1607	VCKYTV1CF105Z	J	AB	1 µF,16V
C1610	RC-KZ0003AWZZ	J	AE	4.7 µF,10V
C1611	VCKYCY1HB472K	J	AA	0.0047 µF,50V
C1613	VCKYCY1CB103K	J	AA	0.01 µF,16V
C1616	VCEAPS107AF1A	J	AD	100 µF,10V,Electrolytic
C1619	VCCCCY1HH331J	J	AA	330 pF (CH),50V
C1655	VCKYCY1HF103Z	J	AB	0.01 µF,50V

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NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C1700,1701	VCEAPS476AF0G	J	AC	47 µF,4V,Electrolytic
C1702	VCKYCY1HB102K	J	AA	0.001 µF,50V
C1703	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C1704	VCEAPS476AF0G	J	AC	47 µF,4V,Electrolytic
C1705	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C1706	VCKYTV1HF103Z	J	AA	0.01 µF,50V
C1707	VCKYTV1CF105Z	J	AB	1 µF,16V
C1708,1709	VCKYTV1HF103Z	J	AA	0.01 µF,50V
C1710	RC-EZ1620AFZZ	J	AC	10 µF,16V,Electrolytic
C1711	VCEAPS476AF0G	J	AC	47 µF,4V,Electrolytic
C1712	RC-EZ1620AFZZ	J	AC	10 µF,16V,Electrolytic
C1713	VCKYTV1HF103Z	J	AA	0.01 µF,50V
C1714	VCKYTV1CF105Z	J	AB	1 µF,16V
C1715	VCKYTV1CB104K	J	AA	0.1 µF,16V
C1716	VCEAPS476AF0G	J	AC	47 µF,4V,Electrolytic
C1741	VCCCCY1HH681J	J	AC	680 pF (CH),50V
C1750	VCCCCY1HH681J	J	AC	680 pF (CH),50V
C1800	VCEAPS227AF0G	J	AC	220 µF,4V,Electrolytic
C1801,1802	RC-KZ0002AWZZ	J	AE	10 µF,10V
C1803	VCEAPS107AF1A	J	AD	100 µF,10V,Electrolytic
C1804	VCKYTQ1CF225Z	J	AB	2.2 µF,16V
C1805,1806	VCKYTV1CF105Z	J	AB	1 µF,16V
CA100,101	VCCCCY1HH180J	J	AA	18 pF (CH),50V
CA102~104	VCKYCY1EF104Z	J	AA	0.1 µF,25V
CA105,106	RC-EZ0007AWZZ	J	AF	10 µF,10V,Electrolytic
CA107	VCKYCY1EF104Z	J	AA	0.1 µF,25V
CA108,109	RC-EZ0051AWZZ	J	AC	10 µF,10V,Electrolytic
CA110	VCKYCY1EF104Z	J	AA	0.1 µF,25V
CA111	RC-EZD337AF0J	J	AC	330 µF,6.3V,Electrolytic
CA112~115	VCKYTQ1EB225K	J	AF	2.2 µF,25V
CA116	VCKYCY1CF224Z	J	AB	0.22 µF,16V
CA117	VCKYTQ1HB224K	J	AC	0.22 µF,50V
CA118,119	VCKYCY1CF224Z	J	AB	0.22 µF,16V
CA120	VCKYTQ1HB224K	J	AC	0.22 µF,50V
CA121	VCKYCY1CF224Z	J	AB	0.22 µF,16V
CA122~125	RC-KZ0007AWZZ	J	AG	1 µF,25V,Electrolytic
CA126	VCKYCY1CF224Z	J	AB	0.22 µF,16V
CA127	VCKYTQ1HB224K	J	AC	0.22 µF,50V
CA128,129	VCKYCY1CF224Z	J	AB	0.22 µF,16V
CA130	VCKYTQ1HB224K	J	AC	0.22 µF,50V
CA131	VCKYCY1CF224Z	J	AB	0.22 µF,16V
CA132~135	RC-KZ0007AWZZ	J	AG	1 µF,25V,Electrolytic
CA142,143	VCFYDA1HA155J	J	AG	1.5 µF,50V,Thin Film
CA150,151	VCFYDA1HA155J	J	AG	1.5 µF,50V,Thin Film
CA152	VCCCCY1HH120J	J	AA	12 pF (CH),50V
CA153,154	VCCCCY1HH180J	J	AA	18 pF (CH),50V
CA155	VCCCCY1HH120J	J	AA	12 pF (CH),50V
CA159	VCE9GA1EW107M	J	AE	100 µF,25V,Electrolytic,Non-Polar
CA160	VCEAZA1EW107M	J	AB	100 µF,25V,Electrolytic
CA162	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
CA163	VCEAZA1CW227M	J	AC	220 µF,16V,Electrolytic
CA164,165	RC-EZD107AF1A	J	AB	100 µF,10V,Electrolytic
CA177~180	VCKYCY1EB103K	J	AA	0.01 µF,25V
CA181	VCCCCY1HH101J	J	AA	100 pF (CH),50V
CA182	VCKYCY1EF104Z	J	AA	0.1 µF,25V
CA184	RC-EZD476AF1A	J	AC	47 µF,10V,Electrolytic
CA185	VCKYCY1HB102K	J	AA	0.001 µF,50V
CA186	RC-EZD476AF1A	J	AC	47 µF,10V,Electrolytic
CA187~193	VCKYCY1HB102K	J	AA	0.001 µF,50V
CA194	RC-EZD476AF1C	J	AC	47 µF,16V,Electrolytic
CA196,197	RC-EZD476AF1E	J	AC	47 µF,25V,Electrolytic
CA198	VCKYCY1EF104Z	J	AA	0.1 µF,25V
CA211	VCKYCY1EF104Z	J	AA	0.1 µF,25V
CA212	RC-EZD107AF1C	J	AC	100 µF,16V,Electrolytic
CA213	RC-EZD107AF1E	J	AD	100 µF,25V,Electrolytic
CA214	VCKYCY1HB102K	J	AA	0.001 µF,50V
CA215~222	VCCCCY1HH560J	J	AA	56 pF (CH),50V
CA223,224	VCFYHA1HA224J	J	AC	0.22 µF,50V,Thin Film
CD01~03	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
CD04	VCTYBT1EF223Z	J	AA	0.022 µF,25V
CD05	VCEAEA1EW476M	J	AA	47 µF,25V,Electrolytic
CD06	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CD07	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
CD10	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CD11	VCEAEA1CW106M	J	AB	10 µF,16V,Electrolytic
CD12~14	VCCSMN1HL470J	J	AA	47 pF,50V
CD16,17	VCKYMN1HB101K	J	AA	100 pF,50V
CD18	VCCSMN1HL470J	J	AA	47 pF,50V
CD19	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CD20	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
CD21,22	VCCCMN1HH150J	J	AA	15 pF (CH),50V
CD23	VCCCMN1HH180J	J	AA	18 pF (CH),50V

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CD29	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CD30	VCEAEA1CW106M	J	AB	10 µF,16V,Electrolytic
CD31	VCKYBT1HB101K	J	AA	100 pF,50V
CD32~35	VCKYMN1HB101K	J	AA	100 pF,50V
CD38	VCTYBT1EF223Z	J	AA	0.022 µF,25V
CD39	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CD40,41	VCTYBT1EF223Z	J	AA	0.022 µF,25V
CD42,43	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CD45	VCKYMN1HB151K	J	AA	150 pF,50V
CD46	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CD47	RC-EZY226AF0J	J	AB	22 µF,6.3V,Electrolytic
CD48	VCEAEA1HW475M	J	AB	4.7 µF,50V,Electrolytic
CD49	VCFYHA1HA104J	J	AB	0.1 µF,50V,Thin Film
CD50	VCEAZA1AW477M	J	AC	470 µF,10V,Electrolytic
CD51	VCEAEA1CW226M	J	AB	22 µF,16V,Electrolytic
CD52	VCTYBT1EF223Z	J	AA	0.022 µF,25V
CD53	VCEAEA1CW226M	J	AB	22 µF,16V,Electrolytic
CD54	VCTYBT1EF223Z	J	AA	0.022 µF,25V
CD55	VCEAEA1CW106M	J	AB	10 µF,16V,Electrolytic
CD60	VCKYBT1HB102K	J	AA	0.001 µF,50V
CE01	VCEAEA1CW226M	J	AB	22 µF,16V,Electrolytic
CP01,02	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
CP03,04	VCCSMN1HL470J	J	AA	47 pF,50V
CP09,10	VCEBDA1EC226M	J	AC	22 µF,25V,Electrolytic
CP11,12	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CP13,14	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
CP15,16	VCKYMN1HB221K	J	AA	220 pF,50V
CP17,18	VCEAEA1CW106M	J	AB	10 µF,16V,Electrolytic
CP23,24	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
CP31,32	VCTYMN1CY103M	J	AA	0.01 µF,16V
CP35,36	VCEAEA1HW225M	J	AB	2.2 µF,50V,Electrolytic
CP37~40	VCCSMN1HL470J	J	AA	47 pF,50V
CP41	VCKYMN1HB102K	J	AA	0.001 µF,50V
CS01,02	VCEBDA1EC226M	J	AC	22 µF,25V,Electrolytic
CS08,09	VCFYHA1HA334J	J	AC	0.33 µF,50V,Thin Film
CT21	VCEAEA1EW476M	J	AA	47 µF,25V,Electrolytic
CT22	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CT23	VCEAEA1CW106M	J	AB	10 µF,16V,Electrolytic
CT25	VCKYMN1HB561K	J	AA	560 pF,50V
CT26,27	VCCCMN1HH220J	J	AA	22 pF (CH),50V
CT28	VCEAEA1EW476M	J	AA	47 µF,25V,Electrolytic
CT29	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CT38	VCQYKA1HM223K	J	AB	0.022 µF,50V,Mylar
CU01,02	RC-EZ0047AWZZ	J	AC	10 µF,50V,Electrolytic
CU05~08	VCEAEA1HW225M	J	AB	2.2 µF,50V,Electrolytic
CU09,10	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
CU11,12	VCEAEA1HW225M	J	AB	2.2 µF,50V,Electrolytic
CU13,14	VCQYKA1HM102K	J	AA	0.001 µF,50V,Mylar
CU15~18	VCEAEA1HW334M	J	AB	0.33 µF,50V,Electrolytic
CU19,20	VCCSMN1HL470J	J	AA	47 pF,50V
CU30	RC-EZ0048AWZZ	J	AC	22 µF,16V,Electrolytic
CU31	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CU32	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
CU33	RC-EZ0004AWZZ	J	AD	100 µF,10V,Electrolytic
CU43,44	VCEAEA1HW475M	J	AB	4.7 µF,50V,Electrolytic
CU45	RC-EZ0004AWZZ	J	AD	100 µF,10V,Electrolytic
CU46	VCTYBT1CX472K	J	AA	0.0047 µF,16V
CU47,48	VCKYBT1HB102K	J	AA	0.001 µF,50V
CU49	VCKYMN1HB471K	J	AA	470 pF,50V
CU50	VCKYBT1HB102K	J	AA	0.001 µF,50V
CU51	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
CU52	VCFYHA1HA104J	J	AB	0.1 µF,50V,Thin Film
CU53	VCQYKA1HM103K	J	AA	0.01 µF,50V,Mylar
CU54	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
CU55	VCKYPA1HF473Z	J	AB	0.047 µF,50V
CU56	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
CU57	VCTYPA1CX104K	J	AB	0.1 µF,16V
CU58	VCTYPA1CX103K	J	AA	0.01 µF,16V
CU59	VCTYBT1CY103M	J	AA	0.01 µF,16V
CU60	VCTYBT1HB102K	J	AA	0.001 µF,50V
CU61	VCCSPA1HL820J	J	AA	82 pF,50V
CU65,66	VCCSPA1HL331J	J	AA	330 pF,50V
CU70	VCTYPA1CX103K	J	AA	0.01 µF,16V
CV09,10	VCQYKA1HM102K	J	AA	0.001 µF,50V,Mylar
CV11	VCKYBT1HB102K	J	AA	0.001 µF,50V
CV61,62	VCEAEA1HW225M	J	AB	2.2 µF,50V,Electrolytic
CV70	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
CV71	VCTYBT1EF223Z	J	AA	0.022 µF,25V
CV72	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
CV73	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
CV74	VCEAZA1EW106M	J	AB	10 µF,25V,Electrolytic
CV75,76	VCFYHA1HA104J	J	AB	0.1 µF,50V,Thin Film

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CV77	VCTYBT1CY103M	J	AA	0.01 µF,16V
CV78	VCTYBT1EF223Z	J	AA	0.022 µF,25V
CV79	RC-EZD476AF1E	J	AC	47 µF,25V,Electrolytic
CV80	VCTYBT1CX222M	J	AA	0.0022 µF,16V
CV81	VCTYBT1EF223Z	J	AA	0.022 µF,25V
CV82	VCKYBT1HB102K	J	AA	0.001 µF,50V
CV83	VCEAZA1CW336M	J	AB	33 µF,16V,Electrolytic
CV84	VCQYKA1HM102K	J	AA	0.001 µF,50V,Mylar
CV85	VCTYBT1EF223Z	J	AA	0.022 µF,25V
CV88	VCTYBT1EF223Z	J	AA	0.022 µF,25V
CV90	VCTYBT1CX222M	J	AA	0.0022 µF,16V
CV92	VCTYBT1EF223Z	J	AA	0.022 µF,25V
CV93	VCTYBT1EF223Z	J	AA	0.022 µF,25V
CV94	RC-EZD476AF1E	J	AC	47 µF,25V,Electrolytic
CV95,96	VCTYBT1CX222M	J	AA	0.0022 µF,16V
R1707	VCCCCY1HH331J	J	AA	330 pF (CH),50V
R1710	VCCCCY1HH331J	J	AA	330 pF (CH),50V

RESISTORS

	VRD-MN2BD000C	J	AA	0 ohm,Jumper,ø1.4×3.5mm,Ivory
	VRS-CY1JB000J	J	AA	0 ohm,Jumper,0.8×1.55mm,Green
	VRS-TV2AB000J	J	AA	0 ohm,Jumper,1.25×2mm,Green
R601	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R602	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R603	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R604,605	VRD-RT2HD221J	J	AA	220 ohms,1/2W
R608	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R609	VRD-ST2CD221J	J	AA	220 ohms,1/6W
R610	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R611,612	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R614	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R615	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R616	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R617	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R618	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R619,620	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R621	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R622	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R625	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R626	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R800	VRD-ST2EE391J	J	AA	390 ohms,1/4W
R805	VRD-RT2HD220J	J	AA	22 ohms,1/2W
R806	VRD-RT2HD151J	J	AA	150 ohms,1/2W
R807,808	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R809,810	VRD-ST2EE122J	J	AA	1.2 kohms,1/4W
R811	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R812	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R813	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R821	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R822	VRD-RT2HD121J	J	AA	120 ohms,1/2W
R823	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R824	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R825,826	VRD-ST2EE271J	J	AA	270 ohms,1/4W
R827,828	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R830,831	VRS-VV3AA331J	J	AB	330 ohms,1W
R832	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R836	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R838	VRS-VV3DA100J	J	AB	10 ohm,2W
R901	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R902	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R1100	VRS-TQ2BB270J	J	AA	27 ohms,1/8W
R1101	VRS-CY1JB1R0J	J	AA	1 ohm,1/16W
R1102	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1105	VRS-CY1JB122J	J	AA	1.2 kohms,1/16W
R1110	VRS-CY1JB684F	J	AA	680 kohms,1/16W
R1111,1112	VRS-CY1JB104F	J	AA	100 kohm,1/16W
R1113	VRS-CY1JB684F	J	AA	680 kohms,1/16W
R1114	VRS-CY1JB123J	J	AA	12 kohms,1/16W
R1115	VRS-CY1JB334F	J	AA	330 kohms,1/16W
R1116,1117	VRS-CY1JB473F	J	AA	47 kohms,1/16W
R1118	VRS-CY1JB334F	J	AA	330 kohms,1/16W
R1119	VRS-CY1JB224J	J	AA	220 kohms,1/16W
R1120	VRS-CY1JB564J	J	AA	560 kohms,1/16W
R1121	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R1122,1123	VRS-CY1JB123J	J	AA	12 kohms,1/16W
R1124,1125	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R1201	VRS-CY1JB563F	J	AA	56 kohms,1/16W
R1203	VRS-CY1JB104F	J	AA	100 kohm,1/16W
R1205	VRS-CY1JB683J	J	AA	68 kohms,1/16W
R1207	VRS-CY1JB393J	J	AA	39 kohms,1/16W
R1208	VRS-CY1JB221J	J	AA	220 ohms,1/16W
R1209	VRS-CY1JB101J	J	AA	100 ohm,1/16W
R1210,1211	VRS-CY1JB221J	J	AA	220 ohms,1/16W
R1212	VRS-CY1JB470J	J	AA	47 ohms,1/16W
R1214	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1215	VRS-CY1JB105J	J	AA	1 Mohm,1/16W
R1217	VRS-CY1JB151J	J	AA	150 ohms,1/16W
R1221,1222	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R1230,1231	VRS-CY1JB103F	J	AA	10 kohm,1/16W
R1261~1266	VRS-CY1JB273J	J	AA	27 kohms,1/16W
R1300	VRS-TV2AB6R8J	J	AA	6.8 ohms,1/10W
R1301	VRS-CY1JB100J	J	AA	10 ohm,1/16W
R1304	VRS-TV2AB151J	J	AA	150 ohms,1/10W
R1401	VRS-CY1JB272J	J	AA	2.7 kohms,1/16W
R1403	VRS-CY1JB471J	J	AA	470 ohms,1/16W
R1405	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R1406	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1407,1408	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R1414	VRS-CY1JB224J	J	AA	220 kohms,1/16W
R1415	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R1417,1418	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R1420	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R1424	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R1430	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1435	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1440	VRS-CY1JB101J	J	AA	100 ohm,1/16W
R1441	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R1443	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R1444	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1460	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1463	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1510	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R1511	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R1512	VRS-TV2AB470J	J	AA	47 ohms,1/10W
R1513	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R1515,1516	VRS-CY1JB182J	J	AA	1.8 kohms,1/16W
R1517,1518	VRS-CY1JB470J	J	AA	47 ohms,1/16W
R1520	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R1521	VRS-CY1JB121J	J	AA	120 ohms,1/16W
R1523	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R1526	VRS-CY1JB682J	J	AA	6.8 kohms,1/16W
R1527	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R1529	VRS-CY1JB221J	J	AA	220 ohms,1/16W
R1532	VRS-CY1JB273J	J	AA	27 kohms,1/16W
R1533~1536	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R1537,1538	VRS-CY1JB221J	J	AA	220 ohms,1/16W
R1539	VRS-CY1JB121J	J	AA	120 ohms,1/16W
R1561	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R1601	VRS-CY1JB123F	J	AA	12 kohms,1/16W
R1605	VRS-CY1JB123F	J	AA	12 kohms,1/16W
R1612	VRS-CY1JB563J	J	AA	56 kohms,1/16W
R1614	VRS-CY1JB333J	J	AA	33 kohms,1/16W
R1616	VRS-CY1JB123J	J	AA	12 kohms,1/16W
R1618	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R1621	VRS-CY1JB682J	J	AA	6.8 kohms,1/16W
R1622,1623	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R1624	VRS-CY1JB682J	J	AA	6.8 kohms,1/16W
R1701	VRS-CY1JB154J	J	AA	150 kohms,1/16W
R1702	VRS-CY1JB124J	J	AA	120 kohms,1/16W
R1703	VRS-CY1JB102F	J	AA	1 kohm,1/16W
R1704	VRS-CY1JB332F	J	AA	3.3 kohms,1/16W
R1705	VRS-CY1JB821J	J	AA	820 ohms,1/16W
R1708	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R1711	VRS-TV2AB120J	J	AA	12 ohms,1/10W
R1712	VRS-CY1JB273J	J	AA	27 kohms,1/16W
R1714	VRS-TV2AB120J	J	AA	12 ohms,1/10W
R1716	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R1801	VRS-CY1JB271J	J	AA	270 ohms,1/16W
R1802	VRS-CY1JB563J	J	AA	56 kohms,1/16W
R1803	VRS-CY1JB333J	J	AA	33 kohms,1/16W
R1804	VRS-CY1JB391J	J	AA	390 ohms,1/16W
R1805	VRS-CY1JB271J	J	AA	270 ohms,1/16W
R1806	VRS-TQ2BB1R0J	J	AA	1 ohm,1/8W
R1807	VRS-CY1JB273J	J	AA	27 kohms,1/16W
R1808	VRS-CY1JB182J	J	AA	1.8 kohms,1/16W
R1809	VRS-TQ2BB1R0J	J	AA	1 ohm,1/8W
R1811	VRS-TQ2BB1R0J	J	AA	1 ohm,1/8W
R1930	VRS-TV2AB391J	J	AA	390 ohms,1/10W
R1931	VRS-TV2AB561J	J	AA	560 ohms,1/10W
R1932	VRS-TV2AB121J	J	AA	120 ohms,1/10W
R1933	VRS-TV2AB271J	J	AA	270 ohms,1/10W
RA100,101	VRS-CY1JB152J	J	AA	1.5 kohms,1/16W
RA102,103	VRS-CY1JB203J	J	AA	20 kohms,1/16W

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NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
RA104,105	VRS-CY1JB753D	J	AA	75 kohms,1/16W
RA108,109	VRS-CY1JB753D	J	AA	75 kohms,1/16W
RA112~115	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
RA116	VRS-CY1JB103J	J	AA	10 kohm,1/16W
RA117~120	VRS-CY1JB224J	J	AA	220 kohms,1/16W
RA125,126	VRS-CY1JB222D	J	AA	2.2 kohms,1/16W
RA127~130	VRS-CY1JB561D	J	AB	560 ohms,1/16W
RA131,132	VRS-CY1JB222D	J	AA	2.2 kohms,1/16W
RA153	VRS-CY1JB102J	J	AA	1 kohm,1/16W
RA154	VRS-CY1JB152J	J	AA	1.5 kohms,1/16W
RA165~172	VRS-CY1JB101J	J	AA	100 ohm,1/16W
RA173,174	VRS-CY1JB822J	J	AA	8.2 kohms,1/16W
RA175,176	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
RA177,178	VRS-CY1JB151J	J	AA	150 ohms,1/16W
RA179,180	VRS-CY1JB331J	J	AA	330 ohms,1/16W
RA181~184	VRS-CY1JB124D	J	AA	120 kohms,1/16W
RA202	VRS-CY1JB102J	J	AA	1 kohm,1/16W
RA280,281	VRS-CY1JB821D	J	AA	820 ohms,1/16W
RA282~285	VRS-CY1JB121D	J	AB	120 ohms,1/16W
RA286,287	VRS-CY1JB821D	J	AA	820 ohms,1/16W
RA301~304	VRS-CY1JB100J	J	AA	10 ohm,1/16W
RA305~308	VRS-TV2AB100J	J	AA	10 ohm,1/10W
RA311~314	VRS-TV2AB100J	J	AA	10 ohm,1/10W
RA315~318	VRS-CY1JB100J	J	AA	10 ohm,1/16W
RA321~324	VRS-CY1JB100J	J	AA	10 ohm,1/16W
RA325~328	VRS-TV2AB100J	J	AA	10 ohm,1/10W
RA331~334	VRS-TV2AB100J	J	AA	10 ohm,1/10W
RA335~338	VRS-CY1JB100J	J	AA	10 ohm,1/16W
RA339	VRS-CY1JB473J	J	AA	47 kohms,1/16W
RA340,341	VRS-VV3LA470J	J	AC	47 ohms,1W
RA342	VRS-CY1JB103J	J	AA	10 kohm,1/16W
RD01	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD02,03	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD04,05	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD06	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD07,08	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD09	VRD-ST2CD331J	J	AA	330 ohms,1/6W
RD10~12	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD13	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD14~16	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD17	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
RD18,19	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD20,21	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
RD22~29	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD31~37	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD39	VRD-MN2BD821J	J	AA	820 ohms,1/8W
RD41,42	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD43,44	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD45,46	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD47	VRD-ST2CD821J	J	AA	820 ohms,1/6W
RD49	VRD-ST2CD561J	J	AA	560 ohms,1/6W
RD50	VRD-MN2BD224J	J	AA	220 kohms,1/8W
RD52,53	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RD54	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD56	VRD-ST2CD180J	J	AA	18 ohms,1/6W
RD57	VRD-ST2CD220J	J	AA	22 ohms,1/6W
RD58	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD60	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD61	VRD-ST2CD123J	J	AA	12 kohms,1/6W
RD62~64	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD66,67	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD69,70	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RD71	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RD72	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD74	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
RD76	VRD-ST2CD561J	J	AA	560 ohms,1/6W
RD78	VRD-ST2CD223J	J	AA	22 kohms,1/6W
RD81,82	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD83,84	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RD85	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD86	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
RD87	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD88	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
RD89	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD90	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
RD91	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
RD92	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RD93	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
RD94	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD95	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD96	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
RD97	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD98	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
RD99	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
RE01	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RE02~17	VRD-MN2BD473J	J	AA	47 kohms,1/8W
RE18	VRD-ST2EE681J	J	AA	680 ohms,1/4W
RE19,20	VRD-ST2EE561J	J	AA	560 ohms,1/4W
RE21	VRD-ST2EE681J	J	AA	680 ohms,1/4W
RE22,23	VRD-ST2EE561J	J	AA	560 ohms,1/4W
RE24~27	VRD-ST2CD821J	J	AA	820 ohms,1/6W
RE32	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RE34	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RE35	VRD-MN2BD681J	J	AA	680 ohms,1/8W
RE36,37	VRD-ST2CD151J	J	AA	150 ohms,1/6W
RE38	VRD-ST2CD224J	J	AA	220 kohms,1/6W
RE40	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
RE41	VRD-ST2CD473J	J	AA	47 kohms,1/6W
RE42,43	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
RE44	VRD-MN2BD473J	J	AA	47 kohms,1/8W
RE46,47	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
RE48	VRD-MN2BD223J	J	AA	22 kohms,1/8W
RE50	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RE51	VRD-ST2CD821J	J	AA	820 ohms,1/6W
RE52	VRD-ST2CD471J	J	AA	470 ohms,1/6W
RE53	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
RE54	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
RE55	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
RE56~59	VRD-ST2CD473J	J	AA	47 kohms,1/6W
RE60,61	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RE62	VRD-ST2CD473J	J	AA	47 kohms,1/6W
RP01,02	VRD-MN2BD223J	J	AA	22 kohms,1/8W
RP03,04	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
RP05,06	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RP07,08	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
RP11,12	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RP15	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
RP16	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
RP17,18	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
RP19,20	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
RP21,22	VRD-ST2EE180J	J	AA	18 ohms,1/4W
RP23	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RP24	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RP25,26	VRD-ST2EE220J	J	AA	22 ohms,1/4W
RP27,28	VRD-ST2EE181J	J	AA	180 ohms,1/4W
RP31,32	VRD-MN2BD471J	J	AA	470 ohms,1/8W
RP33,34	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RP37,38	VRD-ST2CD101J	J	AA	100 ohm,1/6W
RP51	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RP52	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RP53,54	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RP55,56	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RP63,64	VRD-ST2EE821J	J	AA	820 ohms,1/4W
RS05	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
RS06	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
RS07,08	VRD-ST2CD564J	J	AA	560 kohms,1/6W
RS09,10	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RT26	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RT28,29	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RT30	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RT35~37	VRD-MN2BD224J	J	AA	220 kohms,1/8W
RT39	VRD-MN2BD224J	J	AA	220 kohms,1/8W
RT40	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RU01,02	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RU05~08	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RU09,10	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
RU11,12	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RU17	VRD-ST2CD273J	J	AA	27 kohms,1/6W
RU18	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RU20	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RU21,22	VRD-MN2BD471J	J	AA	470 ohms,1/8W
RU23,24	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RU30~32	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RU33,34	VRD-RT2HD560J	J	AA	56 ohms,1/2W
RU59	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RU68	VRD-ST2CD391J	J	AA	390 ohms,1/6W
RU69	VRD-ST2CD101J	J	AA	100 ohm,1/6W
RU70	VRD-ST2CD221J	J	AA	220 ohms,1/6W
RU71	VRD-ST2CD750J	J	AA	75 ohms,1/6W
RU72	VRD-MN2BD563J	J	AA	56 kohms,1/8W
RU73	VRD-ST2CD243J	J	AA	24 kohms,1/6W
RU74	VRD-ST2CD512J	J	AA	5.1 kohms,1/6W
RU75	VRD-MN2BD123J	J	AA	12 kohms,1/8W
RU76	VRD-ST2CD151J	J	AA	150 ohms,1/6W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
RU77~79	VRD-ST2CD101J	J	AA	100 ohm,1/6W
RU81	VRD-ST2CD101J	J	AA	100 ohm,1/6W
RU82	VRD-MN2BD101J	J	AA	100 ohm,1/8W
RU83	VRD-ST2EE391J	J	AA	390 ohms,1/4W
RU84	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
RU85	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
RU87	VRD-ST2CD473J	J	AA	47 kohms,1/6W
RU88	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RU89	VRD-MN2BD181J	J	AA	180 ohms,1/8W
RU91,92	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RU93,94	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
RU95,96	VRD-ST2CD273J	J	AA	27 kohms,1/6W
RU97,98	VRD-ST2CD473J	J	AA	47 kohms,1/6W
RU99	VRD-ST2CD331J	J	AA	330 ohms,1/6W
RV37~39	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
RV40~42	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RV46	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RV47	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
RV48	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RV49	VRD-RT2HD221J	J	AA	220 ohms,1/2W
RV50	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RV51	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RV53	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
RV54	VRD-ST2CD124J	J	AA	120 kohms,1/6W
RV55	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RV56	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RV57	VRD-ST2CD473J	J	AA	47 kohms,1/6W
RV58	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RV59,60	VRD-ST2CD223J	J	AA	22 kohms,1/6W
RV61~64	VRD-ST2CD153J	J	AA	15 kohms,1/6W
RV65,66	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
RV67	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RV68,69	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RV70	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
RV71	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
RV72	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RV73	VRN-RT2CC184F	J	AA	180 kohms,1/6W,Metal Film
RV75	VRD-ST2CD224J	J	AA	220 kohms,1/6W
RV76	VRN-RT2CC184F	J	AA	180 kohms,1/6W,Metal Film
RV78,79	VRN-RT2CC103F	J	AA	10 kohms,1/6W,Metal Film
RV80,81	VRN-RT2CC562F	J	AA	5.6 kohms,1/6W,Metal Film
RV82,83	VRN-RT2CC153F	J	AA	15 kohms,1/6W,Metal Film
RV84,85	VRS-VV3AAR20J	J	AB	0.2 ohms,1W
RV86	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RV87	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RV88,89	VRN-RT2CC184F	J	AA	180 kohms,1/6W,Metal Film
RV90,91	VRN-RT2CC103F	J	AA	10 kohms,1/6W,Metal Film
RV92,93	VRN-RT2CC562F	J	AA	5.6 kohms,1/6W,Metal Film
RV94,95	VRN-RT2CC153F	J	AA	15 kohms,1/6W,Metal Film
RV96,97	VRS-VV3AAR20J	J	AB	0.2 ohms,1W
RV98	VRD-ST2CD102J	J	AA	1 kohm,1/6W

OTHER CIRCUITRY PARTS

BI650/CNS650	QCNWN1945AWZZ	J	AG	Connector Ass'y,3/3Pin
BI800/CNS803	QCNWN1801AWZZ	J	AD	Connector Ass'y,2/2Pin
BI801/CNS800	QCNWN1992AWZZ	J	AH	Connector Ass'y,10/10Pin
BI802/CNS806	QCNWN1991AWZZ	J	AE	Connector Ass'y,4/4Pin
BIA106/CNSA106	QCNWN1792AWZZ	J	AF	Connector Ass'y,3/3Pin
BIA110/CNSA110	QCNWN1989AWZZ	J	AL	Connector Ass'y,4/4Pin
BIA111/CNSA111	QCNWN1990AWZZ	J	AK	Connector Ass'y,3/3Pin
BIA112/CNSA112	QCNWN2020AWZZ	J	AF	Connector Ass'y,5/5Pin
BID01/CNSD01	QCNWN1785AWZZ	J	AF	Connector Ass'y,4/4Pin
BID02	QCNWN1786AWZZ	J	AC	Flat Wire,3Pin
BID03/CNSD03	QCNWN1778AWZZ	J	AF	Connector Ass'y,5/5Pin
BID04/CNSD04	QCNWN1802AWZZ	J	AG	Connector Ass'y,7/7Pin
BID06	QCNWN1784AWZZ	J	AF	Flat Wire,5Pin
BIU11/CNSU11	QCNWN1780AWZZ	J	AE	Connector Ass'y,3/3Pin
BIU12/CNSU12	QCNWN1782AWZZ	J	AE	Connector Ass'y,3/3Pin
CN1101	QCNCWYK28AFZZ	J	AH	Socket,28Pin
CN1300	QCNCM970BAFZZ	J	AD	Plug,2Pin
CN1401	QCNCWXC05AFZZ	J	AC	Plug,5Pin
CN1402	QCNCWXC06AFZZ	J	AD	Plug,6Pin
CN1501	QCNCWYR28AWZZ	J	AF	Socket,28Pin
CN1502	QCNCM970DAFZZ	J	AE	Plug,4Pin
CN1931	QCNCWXC05AFZZ	J	AC	Plug,5Pin
CN1932	QCNCWXC06AFZZ	J	AD	Plug,6Pin
CNP601	QCNCM010HAWZZ	J	AC	Plug,8Pin
CNP602	QCNCM010UAWZZ	J	AD	Plug,19Pin
CNP603	QCNCM010NAWZZ	J	AC	Plug,13Pin
CNP604	92LCONE2P53254	J	AB	Plug,2Pin
CNP605	92LCONE2P53253	J	AB	Plug,2Pin
CNP800	92LCONEAP5267	J	AC	Plug,10Pin
CNP801	QCNCM622CAFZZ	J	AB	Plug,3Pin
CNP802	92LCONE5P53254	J	AB	Plug,5Pin
CNP803	92LCONE2P53253	J	AB	Plug,2Pin
CNP804	QCNCM010HAWZZ	J	AC	Plug,8Pin
CNP805	QCNCM010GAWZZ	J	AC	Plug,7Pin
CNP806	92LCONE4P53253	J	AB	Plug,4Pin
CNPD01	92LCONE5P53253	J	AB	Plug,5Pin
CNPD02	92LCONE4P53254	J	AC	Plug,4Pin
CNPU04	QCNCWYW28AWZZJ	J	AK	Socket,28Pin
CNPU05	QCNCWZP15AWZZ	J	AC	Socket,15Pin
CNPU06	QCNCWYW26AWZZJ	J	AE	Socket,26Pin
CNPU07	QCNCM705DAFZZ	J	AB	Plug,4Pin
CNPU08	92LCONE2P53253	J	AB	Plug,2Pin
CNPU09	92LCONE3P53253	J	AB	Plug,3Pin
CNPU10	92LCONE7P53254	J	AB	Plug,7Pin
CNPU11	92LCONE3P53253	J	AB	Plug,3Pin
CNPU12	QCNCM705CAFZZ	J	AA	Plug,3Pin
CNPU13	QCNCM705BAFZZ	J	AA	Plug,2Pin
CNPV97	QCNCM704CAFZZ	J	AB	Plug,3Pin
CNPV98	92LCONE3P53254	J	AB	Test Point,3Pin
CNPV99	QCNCM670DAFZZ	J	AC	Plug,4Pin
CNS604,605	QCNWN1939AWZZ	J	AD	Socket,2Pin
CNSU01	QCNCW010HAWZZ	J	AD	Socket,8Pin
CNSU02	QCNCW010UAWZZ	J	AD	Plug,19Pin
CNSU03	QCNCW010NAWZZ	J	AC	Socket,13Pin
CNSU08	QCNWN1783AWZZ	J	AE	Connector Ass'y,2Pin
CNSU13	QCNWN1781AWZZ	J	AC	Connector Ass'y,2Pin
CNSV94	QCNCW010HAWZZ	J	AD	Socket,8Pin
CNSV95	QCNCW010GAWZZ	J	AC	Socket,7Pin
CNSV97	————		—	Connector,Ass'y,3Pin (Supplies at Ref No.M905)
CORA01~03	RCORF0018AWZZ	J	AG	Core
CORE1,2	RCORF0015AWZZ	J	AB	Core
CW1501	QCNWN1549AWZZ	J	AQ	Flat Cable,28Pin
CW1502/CNSU07	QCNWN1515AWZZ	J	AK	Connector Ass'y,4/4Pin
CW1931	QCNWN1512AWZZ	J	AC	Flat Cable,5Pin
CW1932	QCNWN1513AWZZ	J	AC	Flat Cable,6Pin
⚠ F801,802	QFS-D632CAWNI	J	AC	Fuse,T6.3A L 250V
⚠ F803	QFS-D312CAWNI	J	AC	Fuse,T3.15A L 250V
⚠ F804	QFS-D102CAWNI	J	AC	Fuse,T1A L 250V
FLD01	VVKHNA13LS3-1	J	BB	FL Display
FWC01	QCNWN1777AWZZ	J	AG	Flat Cable,26Pin
FWT01	QCNWN1776AWZZ	J	AD	Flat Cable,15Pin
JHP01	92LJACKH1759A	J	AF	Jack,Headphones
JT900	QSOCJ0226AWZZ	J	AH	Terminal,SYSTEM IN
JTP01	QSOCJ0606AWZZ	J	AF	Terminal,SYSTEM OUT/LINE OUT/AUX IN
K01	QLUGP0002AWZZ	J	AB	Lug
M901	RMOTV0038AWZZ	J	AT	MD Spindle Motor Ass'y
M902	92LMTR3167BASY	J	AP	MD Sled Motor Ass'y
M903	92LMTR3167AASY	J	AN	MD Loading Motor Ass'y
M904	RMOTV0039AWZZ	J	AM	MD/CD Lid Motor
M905	RMOTV0036AWZZ	J	AX	Motor,Air Cooling Fan (With CNSV97)
M906(267-1)	9HGSMA-146-100	J	AZ	Motor with Gear [Sled]
M907(267-2)	9HGSMA-147-100	J	BA	Motor with Gear [Loading]
M908(267-3)	9HGSMA-151-100	J	BE	Motor with Turntable/Flexible PWB
PHCU01	VHPRPI352++-1	J	AF	Photo Interrupter
RL800	RRLYD0011AWZZ	J	AE	Relay
⚠ RL900	RRLYD0004SJZZ	J	AG	Relay
RLV99	RRLYD0014AWZZ	J	AK	Relay
RMD01	VHLN63H380A-1	J	AK	Remote Sensor,N63H380A
SO605	QCNCM052MAWZZ	J	AQ	Terminal,SYSTEM CONTROL
⚠ SO900	QSOCA0301AWZZ	J	AN	Socket AC Input
SOV90	QCNCM052MAWZZ	J	AQ	Terminal,SYSTEM CONTROL
SOV96	QTANA0104AWZZ	J	AR	Terminal,Speaker
SOV97	QTANA0105AWZZ	J	AR	Terminal,Speaker
SOV98	QTANA0104AWZZ	J	AR	Terminal,Speaker
SOV99	QTANA0105AWZZ	J	AR	Terminal,Speaker
SW1930	QSW-P0011AWZZ	J	AD	Switch,Push Type [Write Pro]
SW1931	QSW-P0012AWZZ	J	AD	Switch,Push Type [Disc Media]
SW1932	QSW-M0007AWZZ	J	AD	Switch,Push Type [Loading]
SW1933	QSW-M0007AWZZ	J	AD	Switch,Push Type [Record]
SW1934	QSW-M0007AWZZ	J	AD	Switch,Push Type [Play]
SW1936	QSW-M0157AFZZ	J	AD	Switch,Push Type [Lead In]
SWD02	92LSWICHT1663T	J	AC	Switch,Key Type [On/Stand-by]
SWD03	92LSWICHT1663T	J	AC	Switch,Key Type [Tuner (Band)]
SWD04	92LSWICHT1663T	J	AC	Switch,Key Type [Aux (Demo)]
SWD05	92LSWICHT1663T	J	AC	Switch,Key Type [CD Up/Tuning Up]

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NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
SWD06	92LSWICHT1663T	J	AC	Switch,Key Type [CD Down/Tuning Down]
SWD07	92LSWICHT1663T	J	AC	Switch,Key Type [CD Play/Pause]
SWD08	92LSWICHT1663T	J	AC	Switch,Key Type [CD Stop]
SWD09	92LSWICHT1663T	J	AC	Switch,Key Type [CD Eject]
SWD10	92LSWICHT1663T	J	AC	Switch,Key Type [+10]
SWD11	92LSWICHT1663T	J	AC	Switch,Key Type [Volume Down]
SWD12	92LSWICHT1663T	J	AC	Switch,Key Type [Volume Up]
SWD13	92LSWICHT1663T	J	AC	Switch,Key Type [Door Open/Close]
SWD14	92LSWICHT1663T	J	AC	Switch,Key Type [MD Rec]
SWD15	92LSWICHT1663T	J	AC	Switch,Key Type [MD Stop]
SWD16	92LSWICHT1663T	J	AC	Switch,Key Type [MD Play/Pause]
SWD17	92LSWICHT1663T	J	AC	Switch,Key Type [MD Down]
SWD18	92LSWICHT1663T	J	AC	Switch,Key Type [MD Up]
SWD19	92LSWICHT1663T	J	AC	Switch,Key Type [MD Eject]
SWD20	92LSWICHT1663T	J	AC	Switch,Key Type [Play Mode]
SWD21	92LSWICHT1663T	J	AC	Switch,Key Type [Erase]
SWD23	QSW-B0004AWZZ	J	AF	Switch,Lever Type [Open/Close]
SWD24	92LSWICHT1663T	J	AC	Switch,Key Type [Rec Mode]
TUN1	RTUNS0021AWZZ	J	BL	Tuner Unit

MD MECHANISM PARTS

2	LCHSM0089AWZZ	J	AH	Drive Chassis (A)
3	LCHSM0090AWZZ	J	AH	Drive Chassis (B)
4	LHLDX3009AWM1	J	AG	Cartridge Holder Ass'y
5	MLEVF0051AWM1	J	AK	Slider Lever Ass'y
7	MLEVF0046AWFW	J	AE	Arm,Holder
8	MLEVF0047AWFW	J	AC	Plate,Switch
9	MLEVF0054AWFW	J	AC	Lever,Shift
10	MLEVP0095AWZZ	J	AC	Lever,Cam Plate
12	MSPRD0132AWFJ	J	AB	Spring,Loading
14	MSPRP0030AWFJ	J	AB	Spring,Grip
15	MSPRP0031AWFJ	J	AC	Spring,Shaft
16	MSPRT0031AWFJ	J	AC	Spring,Loading Arm
17	MSPRT0032AWFJ	J	AB	Spring,Shift Arm
18	NGERH0147AWZZ	J	AB	Gear,Loading (A)
19	NGERH0086AWZZ	J	AB	Gear,Middle (A)
20	NGERH0087AWZZ	J	AB	Gear,Middle (B)
21	NGERH0088AWZZ	J	AC	Gear,Middle (C)
22	NGERH0089AWZZ	J	AC	Gear,Middle (D)
24	NGERR0004AWZZ	J	AC	Gear,Grip
27	NSFTD0006AWM1	J	AG	Drive Shaft Ass'y
28	NSFTM0019AWFW	J	AC	Shaft,Pickup Slide
30	PCOVS3029AWFW	J	AG	Cover,Shield,Top
31	PCOVS3033AWFW	J	AF	Cover,Shield,Side
32	PCOVS3031AWFW	J	AG	Cover,Shield,Bottom
33	PCUSG0045AWZZ	J	AC	Cushion
34	RCILH0113AFZZ	J	AS	Magnetic Head
⚠ 35	RCTRH8198AFZZ	J	BM	MD Optical Pickup Ass'y
36	MSPRT0034AWFJ	J	AB	Spring,Earth
501	LX-BZ0040AWZZ	J	AB	Screw,ø1.4×1.5mm
502	LX-BZ0046AWZZ	J	AB	Screw,ø2×2mm
503	LX-BZ0800AFZZ	J	AA	Screw,ø1.4×2.5mm
504	LX-BZ0883AFZZ	J	AB	Screw,ø1.7×5mm
505	LX-JZ0020AWZZ	J	AB	Screw,ø1.4×3mm
506	LX-JZ0022AWZZ	J	AB	Screw,ø1.7×6mm
507	LX-JZ0024AWZZ	J	AB	Screw,ø1.4×4.5mm
509	XBPSD20P03K00	J	AB	Screw,ø2×3mm
510	XSPSN17P03K00	J	AB	Screw,ø1.7×3mm
511	XWSSD14-05000	J	AA	Washer,ø1.4×0.5mm
512	LX-BZ0846AFZZ	J	AB	Screw,ø1.7×3mm
513	LX-JZ0025AWZZ	J	AB	Screw,ø1.4×5mm
M901	RMOTV0038AWZZ	J	AT	MD Spindle Motor Ass'y
M902	92LMTR3167BASY	J	AP	MD Loading Motor Ass'y
M903	92LMTR3167AASY	J	AN	MD Sled Motor Ass'y
SW1930	QSW-P0011AWZZ	J	AD	Switch,Push Type [Write Pro]
SW1931	QSW-P0012AWZZ	J	AD	Switch,Push Type [Disc Media]
SW1932	QSW-M0007AWZZ	J	AD	Switch,Push Type [Loading]
SW1933	QSW-M0007AWZZ	J	AD	Switch,Push Type [Record]
SW1934	QSW-M0007AWZZ	J	AD	Switch,Push Type [Play]
SW1936	QSW-M0157AFZZ	J	AD	Switch,Push Type [Lead In]

CABINET PARTS

201	92LCAB3729AASY	J	AY	Front Cabinet Ass'y
201- 1	————		—	Front Cabinet (Not Replacement Item)
201- 2	GDAI-1001AWSB	J	AP	Leg Cabinet
202	92LCAB3729CASY	J	AU	Top Cabinet Ass'y
202- 1	————		—	Top Cabinet (Not Replacement Item)
202- 2	JKNBZ0774AWSB	J	AH	Button,CD
202- 3	JKNBZ0775AWSB	J	AM	Button,MD
203	92LCAB3730DASY	J		MD/CD Lid Cabinet Ass'y
203- 1	————		—	MD/CD Lid Cabinet (Not Replacement Item)
203- 2	GDORT0024AWSC	J	AH	Door,MD
203- 3	MSPRT0052AWZZ	J	AB	Spring,MD Door
204	92LPNL3514AASY	J	AR	Display Window Ass'y
205	DUNTZ3514AW01	J	AX	MD/CD Lid Gear Ass'y
205- 1	LANGK0241AWFW	J	AD	Panel,Gear Box Cover
205- 2	LANGK0242AWFW	J	AF	Bracket,Motor
205- 3	LHLDZ1321AWZZ	J	AG	Gear Box,A
205- 4	NGERH0136AWZZ	J	AG	Drive Gear,A
205- 5	NGERH0137AWZZ	J	AD	Drive Gear,B
205- 6	NGERH0138AWZZ	J	AH	Drive Gear,C
205- 7	NGERW0017AWZZ	J	AD	Gear,Worm
205- 8	PSPAZ0026AWZZ	J	AC	Spacer,Worm
206	GCABB1244AWSA	J	AQ	Rear Cabinet (Amp)
207	GCOVA3018AWSA	J	BQ	Decoration Panel,Front Aluminium (Main)
208	GCOVA3016AWSB	J	BM	Decoration Panel,Front Aluminium (Amp)
209	GDAI-1002AWSB	J	AN	Leg Cabinet (Amp)
210	GITAR0650AWSB	J	AR	Rear Panel (Main)
211	GITAR0766AWSA	J	AN	Rear Panel (Amp)
212	HBDGB3107AFSA	J	AL	Badge,SHARP
213	HDECE0005AWSA	J	BD	Decoration Plate,Lid
214	HDECQ0736AWSA	J	AD	Digital Indicator
215	HDECQ0659AWSA	J	AN	Lighting Plate
216	HDECQ0661AWSB	J	AK	Lid
217	HPNLC1278AWSB	J	AS	Front Cabinet (Amp)
218	LANGF0052AWFW	J	AF	Bracket,Rear Support
219	LANGT0042AWFW	J	AC	Bracket,Power PWB
220	LANGT0115AWSA	J	AP	Bracket,Bottom
221	LANGT0093AWFW	J	AD	Bracket,MD (Left)
222	LANGT0094AWFW	J	AD	Bracket,MD (Right)
223	LANGT0095AWFW	J	AD	Bracket,CD (Left)
224	LANGT0096AWFW	J	AE	Bracket,CD (Right)
225	LANGT0101AW00	J	AG	Bracket,Fan (Amp)
226	LANGT0102AWFW	J	AE	Bracket,1-Bit Amp.
227	LCHSM0119AW00	J	AN	Main Chassis (Amp)
228	LHLDZ1297AWSA	J	AE	FL Holder
229	LHLDZ1301AWSA	J	AC	Holder,Lighting (A)
230	LHLDZ1302AWSA	J	AC	Holder,Lighting (B)
231	LHLDZ1304AW00	J	AM	MD/CD Mechanism Frame
232	LHLDZ1305AWZZ	J	AD	Holder,LED (B)
233	LHLDZ1306AWZZ	J	AD	Holder,LED (C)
234	LHLDZ1317AWZZ	J	AC	Holder,LED
235	LHLDZ1325AW00	J	AC	Holder,Edge
236	LHLDZ1329AWZZ	J	AE	Holder,PWB
237	NGERH0131AW00	J	AE	Gear,Lid
238	PCUSG0022AWZZ	J	AB	Cushion,Leg
239	PRDAR0197AWFW	J	AH	Heat Sink (Main)
240	PRDAR0206AW00	J	AR	Heat Sink,Main (Amp)
241	PRDAR0185AWFW	J	AK	Heat Sink,A (Amp)
242	PRDAR0186AW00	J	AH	Heat Sink,B (Amp)
243	PSHEP0047AWZZ	J	AD	Sheet,Display Window
244	PSHEP0048AWZZ	J	AF	Sheet,CD Lid
245	PSHEP0049AWZZ	J	AH	Sheet,LED Decoration Panel
246	PSHEP0052AWZZ	J	AD	Sheet,Insulator (A)
247	PSHEP0053AWZZ	J	AD	Sheet,Insulator (B)
248	PSHEP0058AWSB	J	AC	Sheet,Screw Cover
249	PSHEP0059AWSB	J	AD	Sheet,Lid Decoration
250	PSLDM3079AW00	J	AS	Shield Case,A
251	PSLDM3080AW00	J	AM	Shield Case,B
252	PSLDM3081AWZZ	J	AH	Shield,Amp.(A)
⚠ 254	QFSHD0001AWZZ	J	AB	Holder,Fuse
256	92LRDAT1468B	J	AE	Heat Sink,Sub
257	TSPC-0949AWSA	J		Label,Specifications (Main) [Except for U.K.]
257	TSPC-0950AWSA	J	AD	Label,Specifications (Main) [For U.K.]
258	TSPC-0951AWSA	J		Label,Specifications (Amp) [Except for U.K.]
258	TSPC-0952AWSA	J	AC	Label,Specifications (Amp) [For U.K.]
259	————		—	Lug Wire (Supplies at Ref No.CNS604,605)
260	PSPAI0020AWZZ	J	AC	Spacer,Headphones Jack

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
261	PCUSG0077AWZZ	J	AH	Cushion,Heat (Amp)
262	RCORF0018AWZZ	J	AG	Core
263	QCNWN1803AWZZ	J	AD	Lug Wire
264	PCUSG0001AWSA	J	AD	Cushion,B
265	PCUSU0005AWZZ	J	AC	Cushion,Fan
266	PFLT-0047AWZZ	J	AB	Felt
267	KRPLE0110AFZZ	J	CG	CD Mechanism Ass'y
267- 1(M906)	9HGSMA-146-100	J	AZ	Motor with Gear
267- 2(M907)	9HGSMA-147-100	J	BA	Motor with Gear
267- 3(M908)	9HGSMA-151-100	J	BE	Motor with Turntable/Flexible PWB
267- 4	9HGHBS-432-100	J	AP	Gear with Housing Base
⚠ 267- 5	9HG969-0008-00	J	BQ	Pickup Unit
267- 6(PWB-F)	9HGHBS-501-100	J	—	CD Servo PWB Ass'y
268	PCUSG0062AW00	J	AC	Cover,Lid Cushion
269	LANGT0116AW00	J	AG	Bracket,Speaker Terminal
270	PSPAZ0039AWZZ	J	AC	Spacer
271	TLABH0061AW00	J		Label,Disc Caution
272	MSPRP0056AWFW	J	AD	Earth Plate
273	QCNWN1966AWZZ	J	AD	Lug Wire
275	QHWS-0003AWZZ	J	AC	Lug
279	LBNDJ2008SCZZ	J	AA	Nylon Band
280	HBDGZ1003AWSA	J	AC	Badge,1-Bit Amp.
281	PSHEP0070AWZZ	J	AF	Cover,Speaker Terminal
282	TCAUS0028AWZZ	J	AB	Label,Class 3B
283	TCAUS0064AWSA	J		Label,System Caution (Main)
284	TCAUS0055AW00	J		Label,Amp.Caution [Except for U.K.]
284	TCAUS0056AWZZ	J	AC	Label,Amp.Caution [For U.K.]
285	TCAUS0065AWSA	J		Label,System Caution (Amp)
601	LX-EZ0029AWFF	J	AB	Screw,ø2.6×10mm
602	LX-HZ0082AFZZ	J	AA	Screw,ø4×8mm
603	LX-JZ0010AFFD	J	AA	Screw,ø3×10mm
604	LX-JZ0033AFFF	J	AA	Screw,ø3×8mm
605	LX-WZ0014AGFK	J	AA	Washer,ø2.6mm
606	XBBSD20P03000	J	AA	Screw,ø2×3mm
607	XBBSD23P04J00	J	AC	Screw,ø2.3×4mm
608	XBBSD30P04J00	J	AB	Screw,ø3×4mm
609	XEBSD26P08000	J	AA	Screw,ø2.6×8mm
610	XEBSD30P08000	J	AA	Screw,ø3×8mm
611	XEBSD30P10000	J	AA	Screw,ø3×10mm
613	XESSN26P08000	J	AA	Screw,ø2.6×8mm
615	XHBSN30P08000	J	AA	Screw,ø3×8mm
616	XJBSD30P06000	J	AA	Screw,ø3×6mm
617	XJBSD30P08000	J	AA	Screw,ø3×8mm
619	XJBSF30P06000	J	AA	Screw,ø3×6mm
620	XJBSD30P25000	J	AB	Screw,ø3×25mm
621	XJBSF30P08000	J	AA	Screw,ø3×8mm
622	XJBSF30P10000	J	AA	Screw,ø3×10mm
624	XJSSD30P06000	J	AA	Screw,ø3×6mm
625	XWHSD26-05100	J	AA	Washer,ø2.6×10×0.5mm
626	LX-WZ7003AWZZ	J	AB	Washer,ø3.2×ø13×1.0mm
627	XWSSN32-07000	J	AB	Washer,ø3.2mm
628	XJBSD30P16000	J	AA	Screw,ø3×16mm
629	XEBSF30P10000	J	AA	Screw,ø3×10mm
630	LX-JZ0010AFFF	J	AA	Screw,ø3×10mm
631	XEPSF40P10000	J	AB	Screw,ø4×10mm

ACCESSORIES/PACKING PARTS

⚠ 1	QACCB0013AW00	J	AV	AC Power Supply Cord
⚠ 1	QACCE0013AW00	J	AP	AC Power Supply Cord
2	QANTL0012AWZZ	J	AS	AM Loop Antenna
3	QMWG0033AWZZ	J	BC	System Cord
4	QMWG0031AWZZ	J	AY	Pin Cord
5	RMCG0300AWSA	J	AX	Remote Control
5- 1	GFTAB1039AWSA	J		Battery Lid,Remote Control
6	SPAKA0276AWZZ	J	AL	Packing Add.,Top (Main)
7	SPAKA0318AWZZ	J	AM	Packing Add.,Bottom (Main)
8	SPAKA0312AWZZ	J	AH	Packing Add.,Left (Amp)
9	SPAKA0313AWZZ	J	AH	Packing Add.,Right (Amp)
10	SPAKC1290AWZZ	J	AT	Packing Case
11	SPAKT0024AWZZ	J	AK	Inner Packing Case (Main)
12	SPAKT0030AWZZ	J	AL	Inner Packing Case (Amp)
13	SPAKZ0685AWZZ	J	AK	Packing Add.,Accessories
14	SPAKZ0688AWZZ	J	AD	Packing Add.,Front (Amp)
15	SPAKZ0689AWZZ	J	AE	Packing Add.,Rear (Main)
16	SPAKZ0780AWZZ	J	AK	Pad,Top
17	SSAKA0007AWZZ	J	AB	Polyethylene Bag,Accessories [For U.K.]
17	92LBAG1460C1	J	AB	Polyethylene Bag,Accessories [Except for U.K.]
18	SSAKH0046AWZZ	J	AD	Polyethylene Bag (Main)
19	SSAKH0047AWZZ	J	AC	Polyethylene Bag (Amp)
20	TCADS0004AWZZ	J		Service Card [For U.K.Only]
21	————		—	Battery (Not Replacement Item)
22	TGAN-3170UWZZ	J		Resistration Card [For U.K.Only]
23	TINSE0389AWZZ	J	AN	Operation Manual [For U.K.]
23	TINSZ0717AWZZ	J	AQ	Operation Manual [Except for U.K.]
24	TINSE0390AWZZ	J	AE	Quick Guide [For U.K.Only]
25	TCAUZ0090AWZZ	J	AB	Fan Caution
26	TLABN0162AW01	J	AB	Label,VM No.(Amp)
27	TLABE0582AWZZ	J		Label,Bar Code
28	92LFANT1535A	J	AF	FM Antenna
29	92LBAG1770A	J	AB	Polyethylene Bag,AC Power Supply Cord [For U.K.Only]

P.W.B. ASSEMBLY (Not Replacement Item)

PWB-A1~9	92LPWB3729MANS	J	—	Main/Jack/CD Switch/MD Switch/ OPEN/CLOSE Switch/Socket/ MD Sensor/LED A/LED B (Combined Ass'y)
PWB-B1~5	92LPWB3729PWRS	J	—	Power Trans/Power/Terminal/ Power LED/Speaker Terminal (Combined Ass'y)
PWB-C	92LPWB3514MDS	J	—	MD Main
PWB-D	92LPWB3729AMPS	J	—	1-Bit
PWB-E1,2	QPWBF0554AWZZ	J	AD	MD Mechanism Switch/MD Loading Motor (PWB Only)
PWB-F	9HGHBS-501-100	J	—	CD Servo (Supplies at Ref No.267-6)

OTHER SERVICE PARTS

	QCNWK0108AFZZ	J	AL	Extension Flat Cable (28Pin)
	QCNWK0109AFZZ	J	AH	Extension Flat Cable (5Pin)
	QCNWK0129AFZZ	J	AG	Extension Connector (2Pin)
	QCNWK0130AFZZ	J	AP	Extension Flat Cable (6Pin)
	QCNWN6939AFZZ	J	AN	Extension Connector (4Pin)
	RRCDT0101AFZZ	J	CB	Test Disc,Low Reflection
	RRCDT0103AFZZ	J	BK	Head Adjusting Transparend Disc
	RUNTK0532AFZZ	J	BK	Extension PWB for Service
	88GMMD-213AS	J	BT	Low Reflection Disc,Pre-Adjustment Mini Disc (TEAC Test MD)
	88GMMD-318	J	BF	Low Reflection Disc,Pre-Adjustment Mini Disc (TEACT Test MD)

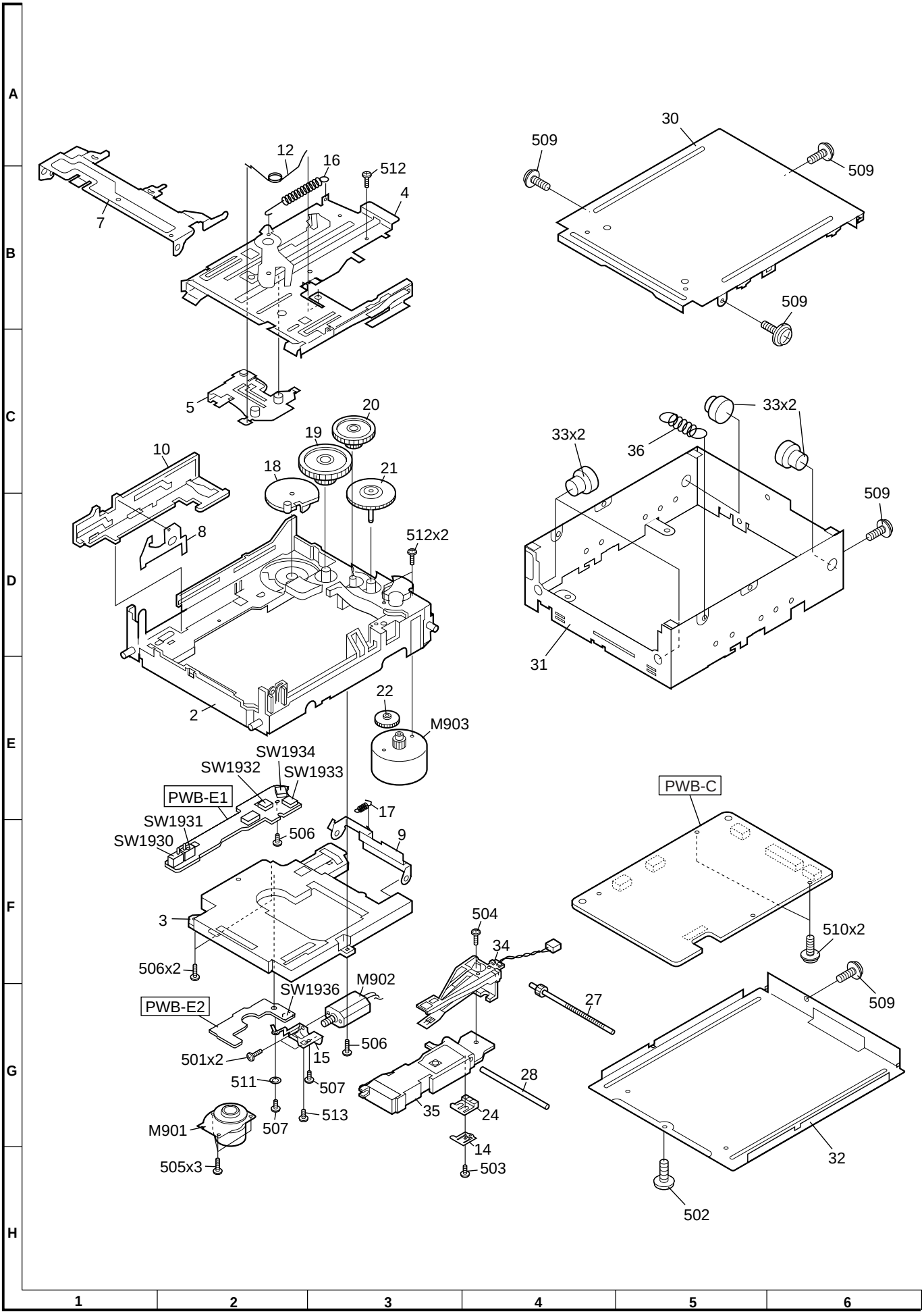


Figure 9 MD MECHANISM EXPLODED VIEW

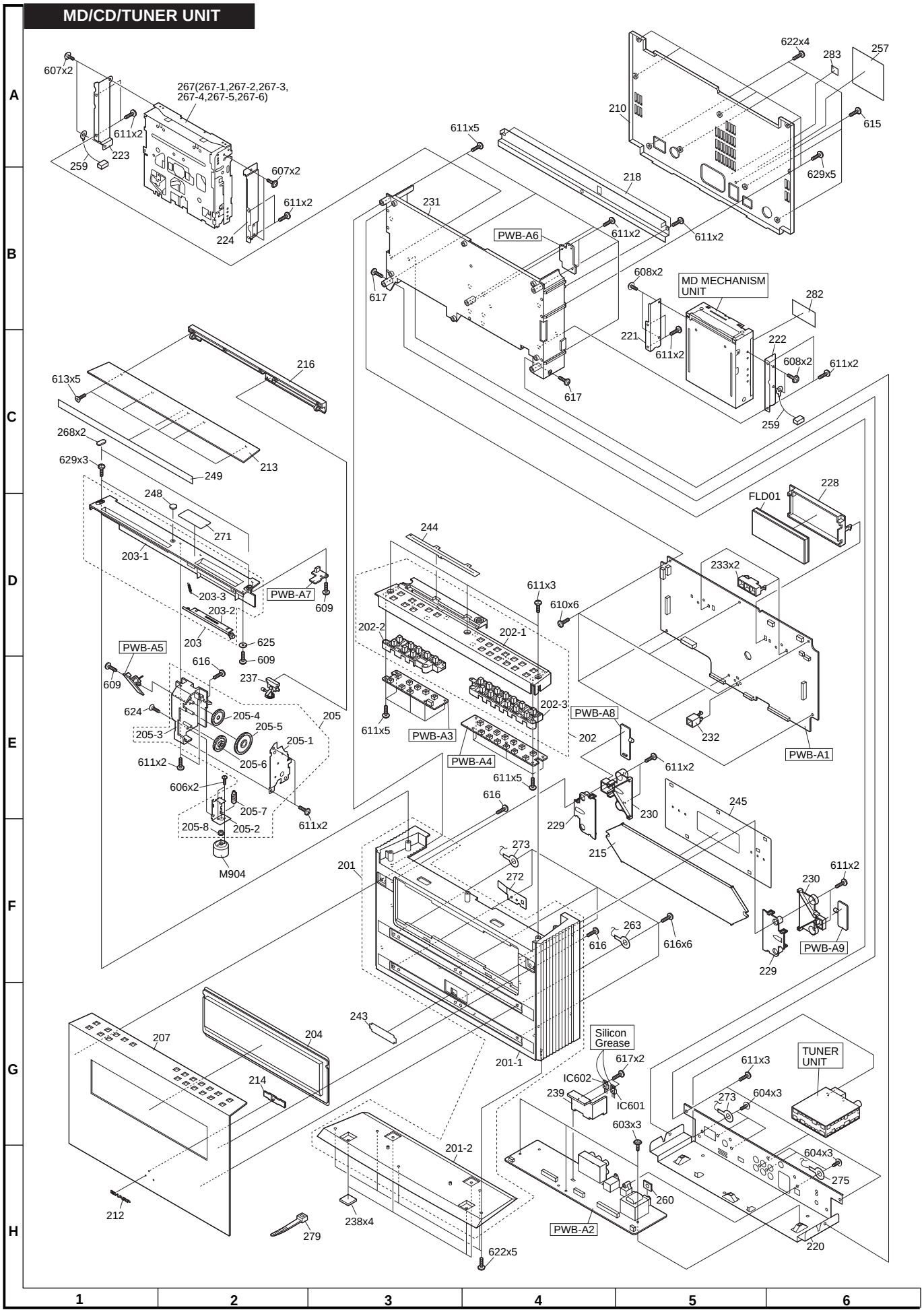


Figure 10 CABINET EXPLODED VIEW (1/2)

AMPLIFIER UNIT

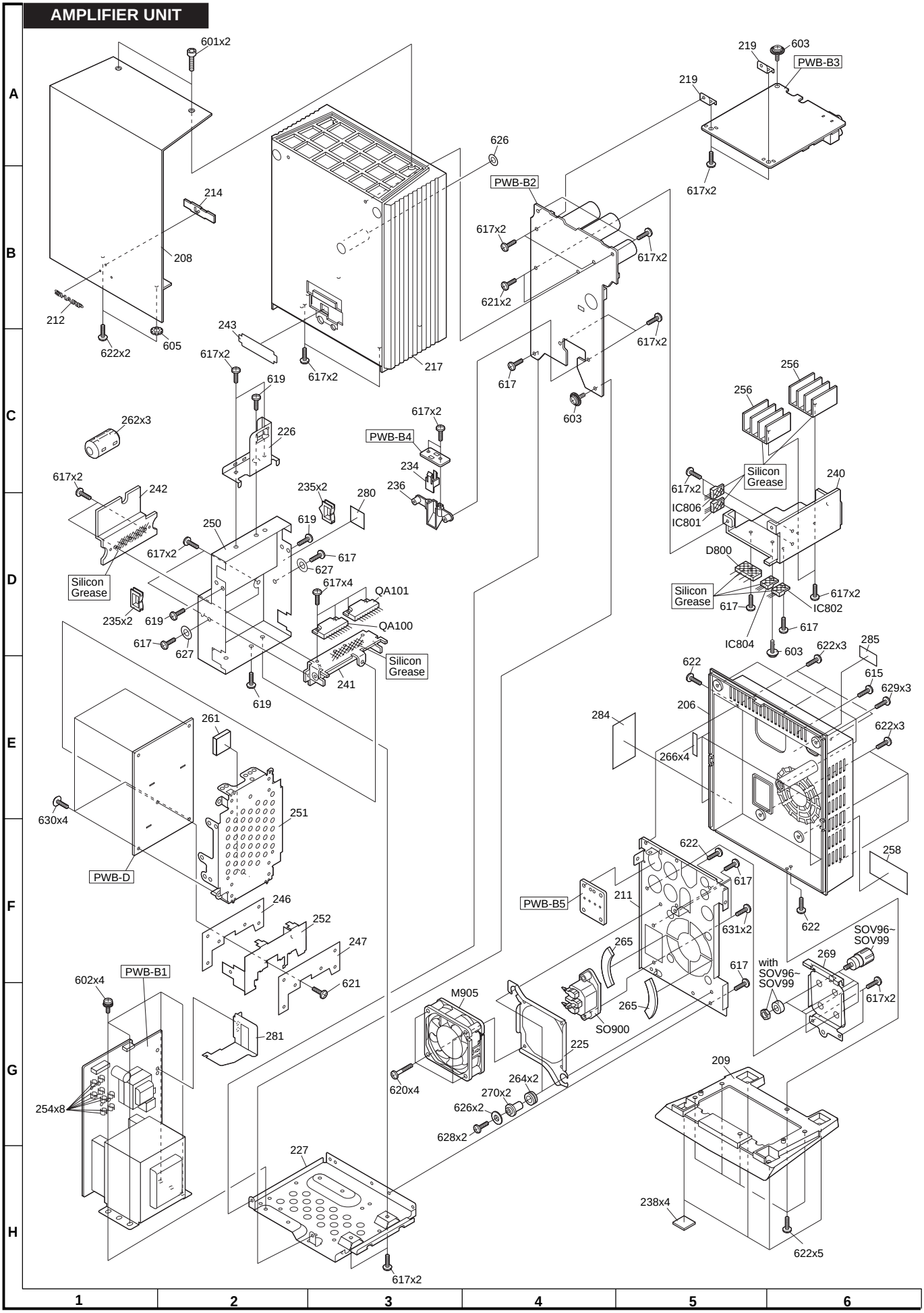
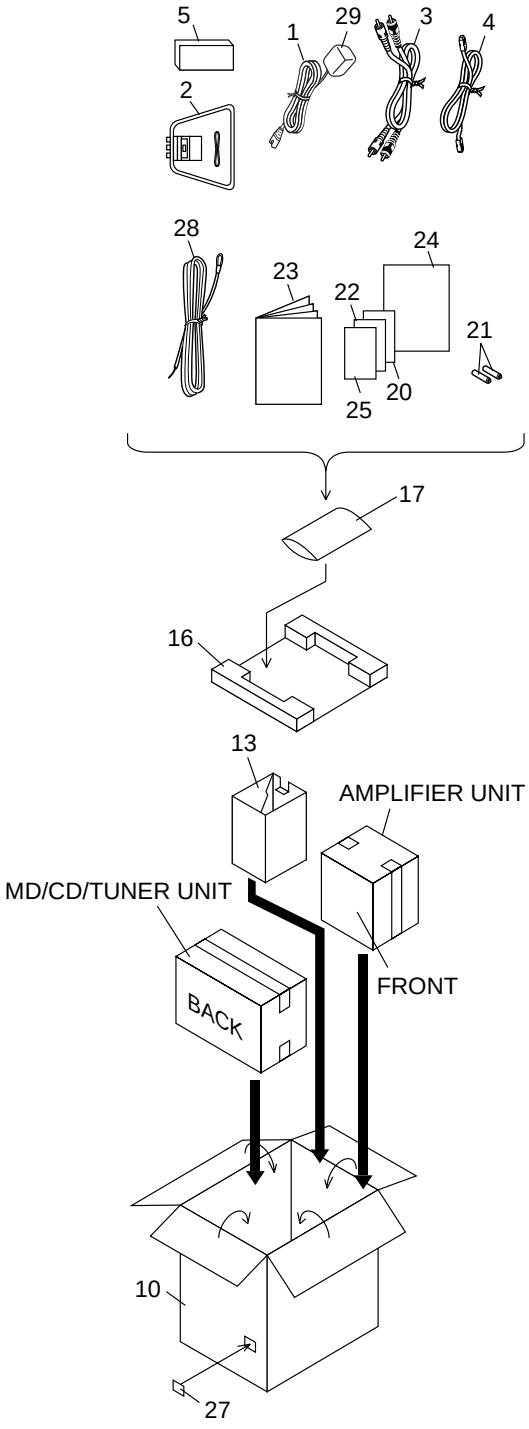
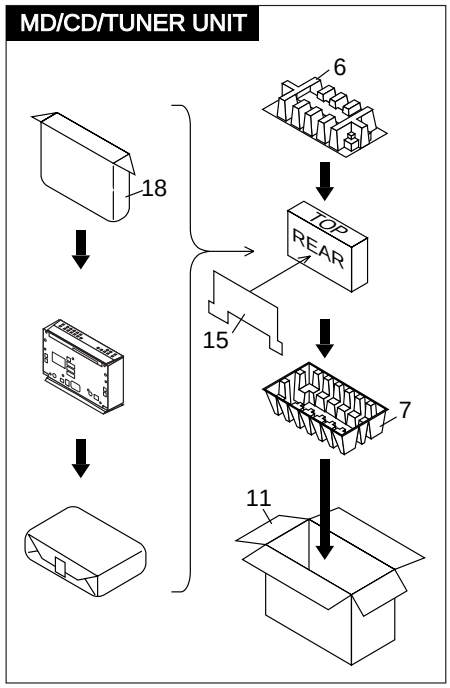


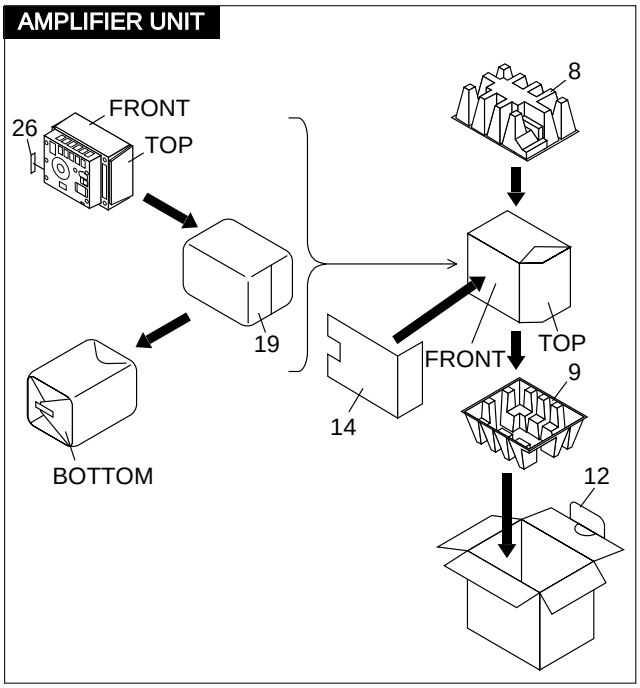
Figure 11 CABINET EXPLODED VIEW (2/2)

PACKING METHOD (FOR U.K. ONLY)

1. AC Power Supply Cord	QACCB0013AW00
2. AM Loop Antenna	QANTL0012AWZZ
3. System Cord	QCNWG0033AWZZ
4. Pin Cord	QCNWG0031AWZZ
5. Remote Control	RRMCG0300AWSA
6. Packing Add.,Top (Main)	SPAKA0276AWZZ
7. Packing Add.,Bottom (Main)	SPAKA0318AWZZ
8. Packing Add.,Left (Amp)	SPAKA0312AWZZ
9. Packing Add.,Right (Amp)	SPAKA0313AWZZ
10. Packing Case	SPAKC1290AWZZ
11. Inner Packing Case (Main)	SPAKT0024AWZZ
12. Inner Packing Case (Amp)	SPAKT0030AWZZ
13. Packing Add.,Accessories	SPAKZ0685AWZZ
14. Packing Add.,Front (Amp)	SPAKZ0688AWZZ
15. Packing Add.,Rear (Main)	SPAKZ0689AWZZ
16. Pad Top	SPAKZ0780AWZZ
17. Polyethylene Bag,Accessories	SSAKA0007AWZZ
18. Polyethylene Bag (Main)	SSAKH0046AWZZ
19. Polyethylene Bag (Amp)	SSAKH0047AWZZ
20. Service Card	TCADS0004AWZZ
21. Battery	———
22. Resistration Card	TGAN-3170UMZZ
23. Operation Manual	TiNSE0389AWZZ
24. Quick Guide	TiNSE0390AWZZ
25. Fan Caution	TCAUZ0090AWZZ
26. Label,VM No. (Amp)	TLABN0162AW01
27. Label,Bar Code	TLABE0582AWZZ
28. FM Antenna	92LFANT1535A
29. Polyethylene Bag, AC Power Supply Cord	92LBAG1770A







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